CONSTRUCTION NEWS

Supplement to ENGINEERING NEWS.

New York,June 11, 1908.

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CONSTRUCTION NEWS.

PLANS AND SPECIFICATIONS ON FILE.

(denotes that this work is advertised in Engineering News.)*

The following Plans (P.) and Specifications (S.) are on file and may be seen at the office of The Engineering News Publishing Co., 220 Broadway, New York.

Bids. close.	Work. Place.	See issue.
6-12*	Street impvts., Olean, N. Y. (S.)	6- 4
6-13	Air compressor, Phila., Pa... (S.)	5-28
6-13	Dredging, diking, etc., Key West, Fla.................. (S.)	5-21
6-15	Macadam, Boston, Mass. (P. & S.)	6-11
6-15*	Paving, Herkimer, N. Y...... (S.)	6-11
6-16	Sidewalks, Clarkdale, Miss... (S.)	6-11
6-16	Water system, Wahpeton, N. Dak. .... (P. & S.)	6- 4
6-18*	Reservoir, Springfield, Mass.. (S.)	6- 4
6-20	Macadam, etc., Tacoma, D. C. (S.)	6- 4
6-22	Paving, Warren, Ohio....... (S)	6-11
6-22*	Paving, Selma, Ala.......... (S.)	6-11
6-23*	Bridge, Wakeman, Ohio. (P. & S.)	5-21
6-23	Pumps, etc., Minidoka, Idaho.... .... (P. & S.)	5-28
6-24	Elec. equip., Minidoka, Ida.. (S.)	6- 4
6-24*	Walks, Madison Barracks, N. Y. .... (P. & S.)	6-11
6-24*	Brick paving, Cadiz, Ohio.... (S.)	6-11
6-27*	Concrete wall, Riverton, Ala .... (S.)	5-28
6-27	Steel floats, Newport, R. I.... (S.)	6- 4
7- 3	Dredging, etc., Bremerton, Wash. .... (S.)	6-11
7-8	Power-house, Bremerton, Wash. .... (S.)	6-11
7-11	Ash-handling, Phila., Pa...... (S.)	6-11
7-13*	Lock, dam, Vicksburg, Miss.. (S.)	5-14
7-15*	Channel, Sunnyside, Wash.. (S.)	6- 4
7-18	Dry dock, Bremerton, Wash. (S.)	6-11
7-27*	Aqueduct, Los Angeles, Cal.. (S.)	6-11

LIST OF CONTRACTS PENDING.

LIGHT, HEAT AND POWER PLANTS.

6-13	Elec. equipment, Mt. Vernon, Mo.	6-11
6-15	Elec. equipment, etc., Albany, N. Y.	6-11
6-15	Power plant, Carrollton, Miss....	6- 4
6-15	Power plant, Jefferson Barracks, Mo............................	5-28
6-17	Lighting, Natchez, Miss...........	5-14
6-18	Light plant, Listowel, Ont.........	6-11
6-19	Power plant, Chemawa, Ore.......	5-28
6-20	Power-house, etc., New Orleans, La.	4-30
6-22	Buildings, Regina, Sask..........	6- 4
6-22	Elec. equipment, New York....	6-11
6-23*	Conduit, etc., Spokane, Wash....	5-28
6-24	Power plant, Minidoka, Ida.......	6- 4
7- 1*	Gas lighting, Boston, Mass.......	6- 4
7- 1	Light plant, Lewisberg, Ohio....	5-28
7- 1	Power plant, University, Miss.....	6-11
7- 6	Sale of plant, Valley City, N. D..	6-11
7- 8	Power-house, Bremerton, Wash..	6-11
7-15	Trans. lines, Toronto, Ont.........	6-11
8- 1	Power plant, Townsend, Mont....	6-11

BRIDGES.

6-12	Superstructures, Pittsburg, Pa....	6- 4
6-12	Bridge, Ukiah, Cal................	6- 4
6-12	Substructures, Butler, Pa..........	6-11
6-15	Arch, Huntingdon, Pa...............	6-11
6-15	Bridges, St. Clairsville, Ohio....	5-28
6-16	Bridges, Salina, Kan	6- 4
6-16	Bridges, Clifford, Ont..............	6-11
6-17	Bridge, Red Wing, Minn...........	6-11
6-17*	Bridges, Jackson, Ohio............	6- 4
6-18*	Culvert, Riverton, N. J...........	5-28
6-19	Bridges, Paulding, Ohio............	6-11
6-20	Bridge work, Washington, D. C..	6-11
6-22	Bridge, Uhrichsville, Ohio	6-11
6-23	Bridge, South Heart, N. Dak......	6-11
6-25	Bridge, Miamisburg, Ohio	6-11
6-26	Superstructure, Cincinnati, Ohio..	6- 4
6-27	Substructure, Findlay, Ohio	6- 4
7- 1	Bridge, Dayton, Ohio	6-11
7- 1	Arch, Cleveland, Ohio	6-11
7- 7	Bridges, Yreka, Cal...............	5-28
7-10	Bridge work, Connersville, Ind...	6-11

BUILDINGS.

6-12	Schools, Toronto, Ont.............	6- 4
6-12	Creamery, San Luis Obispo, Cal. (Mfg. Pl.)	6- 4
6-12	Post-office, St. Charles, Mo.........	5- 7
6-13	Court-house, Edmonton, Alta......	5-21
6-15	Stable, Detroit, Mich..............	6-11
6-15	Library, Springfield, Mass........	5-28
6-15*	Bowling alley, Ft. Meade, S. Dak.	5-28
6-15	Bldgs., Ft. Yellowstone, Wyo...	5-28
6-15	Schools, New York, N. Y.........	6- 4
6-15	Infirmaries, New York, N. Y.....	6- 4
6-15	Dry kiln, Chicago, Ill. (Mfg. pl.)	6-11
6-15	School, Painesville, Ohio........	6-11
6-15	Schools, New York, N. Y.....	6-11
6-16	Heating, etc., Meriden, Conn.....	6-11
6-16	Plans, Richmond, Va.............	6- 4
6-16*	Plumbing, etc., Ft. Worth, Tex..	5-21
6-17	Post-office, Newton, Kan..........	5-14
6-17	Bakery, Ft. Omaha, Neb. (Mfg. Pl.)	6- 4
6-17	Repairs, etc., New York, N. Y...	6-11
6-17	Engine-house, etc., Cobalt, Ont (Mfg. Pl.)	6-11
6-18	Buildings, Fort Riley, Kan.....	6-11
6-18	Pavilion, New York, N. Y........	6-11
6-18*	Post-office, Houston, Tex..........	5-21
6-20	School, Roselle, N. J.............	6-11
6-22	School, Vicksburg, Miss...........	6-11
6-22	Schools, New York, N. Y.........	6-11
6-22*	Post-office, Provo, Utah...........	5-14
6-22*	Jail bonds, Culpeper, Va.........	5-28
6-22*	Closet, etc., Ft. Wood, N. Y.....	6- 4
6-22*	Educational bldg., Albany, N. Y..	6- 4
6-22*	Plumbing, Wash., D. C..........	6-11
6-23	School, Broad Ripple, Ind........	6-11
6-24	Laundry, Canton, S. Dak. (Mfg. Pl.)	6- 4
6-24*	Baths, Albany, N. Y............	6- 4
6-24	Post-office, Fayetteville, Ark....	5-21
6-25	Post-office, Greenville, Tex.......	5-21
6-25*	Barracks, Ft. Hancock, N. J....	5-28
6-25	School, Indianapolis, Ind..........	6-11
6-25	Buildings, Mt. Vernon, Ohio......	6-11
6-25	School, Beatrice, Neb.............	6-11
6-25	Repairs, etc., New London, Conn.	6-11
6-26	School, Indianapolis, Ind..........	6-11
6-29*	Post-office, Sumter, S. C..........	5-21
6-29*	City hall, Massillon, Ohio	6- 4
6-29*	Hospital, Ft. D. A. Russell, Wyo.	6- 4
6-30*	Post-office, Meadville, Pa.........	5-21
6-30	Plans, Portland, Ore.............	5-28
7- 1	Mech. equip., Baltimore, Md....	5-28
7- 2*	Post-office, Columbia, Tenn.....	5-28
7- 2	Hospital, Washington, D. C......	6-11
7- 3*	Bldgs., West Point, N. Y.........	6- 4
7- 6	Post-office, Marietta, Ga........	5-28
7- 6	Hall, San Jose, Cal..............	6-11
7- 7*	Cottages, Newark, N. Y.........	6-11
7- 9*	Post-office, Springfield, Ohio......	6- 4
7-10	Vacuum system, Chicago, Ill......	6-11
7-14*	Wrecking, etc., Chicago, Ill.....	5-28
7-15	Building, Columbia, S. C..........	6-11
7-15*	Post-office, etc., Valdosta, Ga.....	6-11
7-20	Post-office, Auburn, Me..........	6-11
7-21*	Post-office, Coldwater, Mich....	6-11
7-22*	Post-office, Paris, Tenn	6-11
8- 1	Plans, St. Paul, Minn.............	4-30

WATER-WORKS.

6-12	Water-works, Springfield, Minn..	6- 4
6-15	Reservoir, Unionville, Conn......	6- 4
6-15	Pipe, Victoria, Wash............	6- 4
6-15	Water system, Fort Hamilton, N. Y.	5-28
6-15	Water system, Fort St. Philip, La.	5-21
6-15*	W-wks machinery, Edmond, Okla.	5-21
6-15	Pumps, Victoria, B. C............	6-11
6-16	C.-i. pipe, Cincinnati, Ohio.......	5-28
6-16	Water system, Wahpeten, N. Dak.	5-28
6-16	Conduit, Guelph, Ont.............	6- 4
6-18*	Reservoir, Springfield, Mass......	5-28
6-18	Water pipe, East Liverpool, Ohio.	6-11
6-19*	Water bonds, Kiowa, Kan......	6- 4
6-20	Pumping station, Fort Mason, Cal.	6-11
6-23	Water-works, Bruce, Wis.........	6-11
6-24*	Pumps, Schenectady, N. Y.......	6- 4
6-25	Pump, Grand Rapids, Mich.....	5-28
6-25*	Pumping engine, Grand Rapids, Mich.	6- 4
6-27*	W.-Works cocks, Wash., D. C..	6-11
6-29*	Filters, etc., Pittsburg, Pa.........	6-11
6-30*	W-Works, Columbia, Miss.......	6- 4
6-30*	Pumps, etc., New Orleans, La....	4-22
7- 1	W.-Wks, Lewisberg, Ohio.......	5-28
7- 1*	Pumping station, Elizabeth, N. J.	6- 4
7- 7*	Intake pier, etc., Toledo, Ohio....	6- 4
7- 8*	Boilers, Atlanta, Ga..............	6- 4
7-15*	Channel, Sunnyside, Wash.......	5- 7
7-27*	Aqueduct, Los Angeles, Cal......	6- 4
7-27*	Pump, Houston, Tex	6- 4

SEWERS.

6-12	Sewers, Youngstown, Ohio........	6-11
6-13	Boilers, Chicago, Ill.............	6-11
6-15	Sewers, Coffeyville, Kan..........	6-11
6-15	Sewer, Napoleon, Ohio	6- 4
6-15	Sewer lift, Houston, Tex.........	6- 4
6-15*	Sewers, Washington, D. C.	6- 4
6-15	Sewer, Melrose Park, Ill.	6- 4
6-15	Sewer, Auburn, Ind.	6- 4
6-16	Sewer work, East Hartford, Conn.	6- 4
6-16*	Sewers, Lake Placid, N. Y.........	6- 4
6-16*	Sewer, Summit, N. J..............	6-11
6-16	Sewer work, St. Louis, Mo........	6-11
6-16	Sewer, Frankfort, Ind.............	6-11
6-16	Sewer, Newark, Ohio	6-11
6-17	Sewer, Springfield, Ohio...........	6-11
6-18	Sewers, Cleveland, Ohio..........	6-11
6-19	Sewer, Boston, Mass	6- 4
6-22*	Sewers, etc., E. Rutherford, N. J.	6- 4
6-24*	Sewer, Louisville, Ky.............	6-11
6-29*	Sewer, Washington, D. C........	6-11
6-30*	Sewer, Columbia, Miss...........	6- 4
6-30	Sewerage machinery, New Orleans, La.	5-14
7- 1*	Sewer, Elizabeth, N. J.............	5-28
7- 1*	Sewers, Waterloo, N. Y..........	6-11
7- 6*	Sewers, Plainfield, N. J...........	6-11

STREETS AND ROADS.

6-12*	Street impvt., Olean, N. Y........	5-28
6-12	Street impvt., Cincinnati, Ohio....	6-11
6-13	Roads, Bedford, Ind..............	5-28
6-13*	Grading, Washington, D. C......	6- 4
6-15	Macadam, etc., Tacoma, D. C....	5-28
6-15*	Concrete walks, Fort Barrancas, Fla.	5-14
6-15*	Paving, Mt. Carmel, Ill...........	6- 4
6-15	Paving, Montgomery, Ala.........	6- 4
6-15	Sidewalks, Clarksdale, Miss......	6- 4
6-15	Gutter, etc., Fort Dodge, Iowa....	6- 4
6-15*	Paving, Herkimer, N. Y.........	6- 4
6-15	Street impvt., Albany, N. Y.......	6-11
6-15	Road, Hartford, Conn............	6-11
6-15	Paving, etc., Charlotte, Mich.....	6-11
6-15	Grading, etc., Cleveland, Ohio.....	6-11
6-15	Street impvt., Lockland, Ohio.....	6-11
6-16	Paving, Woodbury, N. J..........	6-11
6-16*	Road, Freehold, N. J.............	5-28
6-17	Broken stone, Long Island City, (L. I.), N. Y.....................	6-11
6-18	Street impvt., Mount Gilead, Ohio.	6-11
6-18	Paving brick, Martins Ferry, Ohio	6-11
6-18*	Brick blocks, etc., Bridgeport, Conn.	6-11
6-18*	Paving, Johnson City, Tenn.....	5-28
6-18	Road, Harrisburg, Pa.	6- 4
6-19	Grading, etc., Nashua, N. H......	6-11
6-22	Roads, Fort Dade, Fla	6- 4
6-22	Paving, Aberdeen, S. Dak.	6- 4
6-22	Paving, Warren, Ohio.	6- 4
6-22	Paving, Selma, Ala	5-28
6-23	Road, Toms River, N. J.........	6- 4
6-24*	Road, Madison Barracks, N. Y....	6- 4
6-24	Road, Indianapolis, Ind..........	6- 4
6-24*	Paving, Cadiz, Ohio.............	5-28
6-24	Brick paving, Rutland, Ohio.......	6-11
6-24	Repaving, Brooklyn, N. Y........	6-11
6-24	Repaving, Hoboken, N. J..........	6-11
6-25*	Brick paving, Adams, Mass.......	6-11
6-25	Macadam, Painesville, Ohio.......	6-11
6-26	Road impvt., Cincinnati, Ohio....	6- 4
6-30*	Paving, Ada, Ohio	6-11
7- 1*	Roads, Fort Barrancas, Fla......	5-21
7- 3	Pike impvt., Cincinnati, Ohio.....	6-11
7- 6	Roads, Tipton, Ind...............	6-11
7- 7	Roads, Vincennes, Ind...........	6-11
7- 8	Roads, Muncie, Ind...............	6-11
7-10	Road, Rushville, Ind..............	6-11

MISCELLANEOUS.

6-12	Cement, Pittsburg, Pa...........	6- 4
6-12	Telephone system, Harding Man..	5-28
6-12	Filling privilege, New York.....	6-11
6-13	Air compressor, Phila., Pa.......	5-28
6-13*	Dredging, diking, etc., Key West, Fla.	5-21
6-15	Wharf, etc., Ft. Morgan, Ala....	5-28
6-15	Steamers, San Francisco, Cal....	5-28
6-15	Seawall, San Francisco, Cal.......	6- 4
6-15	Dredging, Ft. Trumbull, Conn..	6-11
6-15	Supplies, Manila, P. I.........	6-11
6-16	Drains, Boone, Iowa	6- 4
6-16	Brush and poles, Vicksburg, Miss.	5-28
6-16	Levee, Memphis, Tenn	5-28
6-16*	Dust abatement, Bloomfield, N. J.	6-11
6-17	Duck bags, Columbus, Ohio....	6-11
6-17	Derricks, Brooklyn, N. Y........	6-11
6-18	Road roller (Paving), New York.	6-11
6-19	Ditch, Council Bluffs, Iowa......	6- 4
6-19*	Breakwater, Boston, Mass.......	6- 4
6-20	Launches, Wash., D. C..........	6- 4
6-20*	Electro-magnetic brakes, Wash. D. C.	6-11
6-20	Breakwaters, Coburg, Ont......	6-11
6-20	Railroad siding, Skillman, N. J. (Rys.)	6-11
6-22*	Revetment, Manistique, Mich....	6-11
6-22	Hose wagon, Hartford, Conn.....	6-11
6-23	Fire apparatus, Wash., D. C.....	6-11
6-23	Removing obstruction, Detroit, Mich.	6-11
6-23*	Coal, New York, N. Y..........	6-11
6-23*	Dike, Harrisburg, Pa...........	6- 4
6-23*	River work, Columbus, Ohio..	6- 4
6-24*	Seawall, jetties, Ft. Screven, Ga.	6-11
6-24	Reduction works, Columbus, O. (Garbage)	6-11
6-25	Steel steamers, Wash., D. C.....	6-11
6-25	Dredging, Seattle, Wash........	6- 4
6-26*	Dam, guide walls, etc., Chapman, Ky.	6- 4
6-27	Steel floats, Newport, R. I......	6- 4
6-27*	Concrete wall, Riverton, Ala.....	5-28
6-30*	Dredging, rock removal, New York, N. Y.....................	6-11
6-30*	Disposal plant, Mont Alto, Pa. (Garbage)	6-11
7- 1	Fog-alarm machinery, Ottawa, Ont.	6-11
7- 1	Ditch, Crookston, Minn..........	6- 4
7- 2*	Dam, etc., Saltpetre, W. Va.....	6- 4
7- 6*	Piping, Boston, Mass...........	6- 4
7- 3	Dredging, etc., Bremerton, Wash.	6-11
7- 3	Barge, Panama	6-11
7- 8*	Levee, Vicksburg, Miss..........	6-11
7- 8	Dam, bridge, etc., Winnipeg, Man.	5-28
7-10	Vacuum clean. system, Chicago..	6-11
7-11	Ash-handling plant, Phila., Pa....	6-11
7-13*	Lock, dam, Vicksburg, Miss....	5-14
7-13*	Lock and dam, Harrisonburg, La.	6- 4
7-18	Dry dock, Bremerton, Wash....	6-11
8-14	Light-house, Alaska	5-21
9- 1	Monument designs, Mexico	5-21
No date.	Posts, wire, Sulphur, Okla....	6-11
No date.	Race-track, Winston, N. C....	6-11

FOREIGN.

6-24	Railways, Belgium	6-11
6-25	Quay, Belgium	6-11
7- 1	Bridge, Egypt	6-11
10- 1	Ry. material, Siam	6-11

CIVIL SERVICE.

6-17	Elevator Electrician, Tampa, Fla.	4-19
6-17	Clerk, draftsman, Nev.-Mont.....	6- 4
6-24	Lab. Asst., Wash, D. C...........	4-19
6-27	Inspector, Albany, N. Y.........	6-11
6-27	Fisheries Protector, Albany, N.Y.	6-11
6-27	Supt. Training School, Albany, N. Y.	6-11
6-27	Structural Draftsman, Albany, N. Y.	6-11
6-27	Asst. Steam Engr., Albany, N. Y.	6-11
6-27	Chainman, Albany, N. Y.......	6-11
6-27	Arch. Draftsman, Albany, N. Y.	6-11
6-27	Eng. Draftsman, Albany, N. Y..	6-11
6-27	Junior Draftsman, Albany, N. Y.	6-11
7- 1	Asst. Coiner—New Orleans, La...	6-11
7- 1	Asst. Chemist, Wash, D. C....-..	6.11
7- 1	Tech. Asst., Pharmacology, Washington, D. C......................	6-11
7- 8	Fortification Draftsman, San Francisco, Cal.	6-11
7-22	Elec. Engr.-Mech. Draftsman, Washington, D. C..................	6-11

RAILWAYS.

(denotes that this work is advertised in Engineering News.)*

BIRMINGHAM, COLUMBUS & ST. ANDREWS.—W. M. Gordon, Pres., Chipley, Fla., informs us that grading contracts will be let next fall. This railway, as noted on Feb. 20, will be 360 miles long, and will run from St. Andrew's Bay, Fla., via Columbus, Ga., to Birmingham, Ala. Surveys have been made. Right-of-way is partly obtained. Capital has not been fully secured. W. H. Edinger is Ch. Engr., Chipley, Fla.

BOSTON & ALBANY.—The Public Service Commission, Second District, has granted the application of the Boston & Albany Railroad Co. for authority to issue $7,000,000 of 25-year 4 per cent. improvement bonds, and the petition of the New York Central & Hudson River R. R. Co. for authority to guarantee payment of same. The proceeds are to be used by the company for permanent improvements and additions made to the road, amounting to $2,586,950, and further extensions, additions and permanent improvements now in progress and about to be undertaken, which will cost about $4,500,000. The improvements are in the states of New York and Massachusetts. The schedule of improvements for 1908 includes: Station building and grade crossing eliminations at Worcester, Mass., $1,545,430; third-tracking, $1,022; grade crossing eliminations generally, $51,872; crossing tracks and sidings, $132,958; clearing main tracks of switching movements and improving local station facilities, $75,000; increased yard facilities, $233,527; new engine houses, $1,149,305, including one at Rensselaer at $270,000; coal and water stations, $52,555; new buildings, including passenger stations at Milford and Richmond, $58,500; elevator improvements and abolition of grade crossings at East Boston, $165,000; building automatic signal system between Boston and Albany; replacing old banners by modern signals, filling in gaps not now occupied, and 30 new interlocking towers, $77,852. W. Shepard is Ch. Engr., Boston.

COLORADO & NORTHERN.—Paul Blount, Ch. Engr., 717 Majestic Bldg., Denver, Colo., advises us that surveys have been made for the proposed Hayden-Hahn's Peak line. It will be 60 miles long. Capital has not been obtained. Right-of-way is secured, but construction contracts probably will not be let before Jan. 1, 1909. B. L. Dorsey is Pres., 1016 Missouri Trust Bldg., St. Louis, Mo.

COLORADO, HEREFORD & GULF.—Construction has commenced on this railway, which will extend from Trinidad, Colo., to Port Lavaca, Tex. The SOUTHWESTERN ENGINEERING CO., Hereford, Tex., has contract for building the road. As noted on May 14, this company was incorporated in Texas with a capital stock of $420,000. Line will run through the counties of Dallam, Hartley, Oldham and Deaf Smith, to the town of Hereford, and thence in a southeasterly direction through the counties of Deaf Smith, Castro, Lamb, Hartley, Terry, Gaines, Dawson, Martin, Midland, Glasscock, Sterling and Irion, to San Angelo, Tex. Total length, 420 miles. The principal offices will be at Hereford, Tex. The incorporators are: A. D. Goodenough, George W. Irwin, Jr., C. W. Dodson, T. E. Shirley, John P. Slaton, W. M. Knight, W. D. Beach, G. A. Parker, C. G. Witherspoon, L. Gough, J. D. Thompson, C. F. Kerr and J. L. Fuqua, all of Hereford. Mr. Goodenough is Gen. Mgr.

DELAWARE & EASTERN.—The Delaware & Eastern Construction Co., organized to build railroads, was incorporated with the Secretary of State at Albany, N. Y., on June 2, with a capital of $200,000. The directors are William Sibbert and D. Fleurenstein, of Brooklyn, and William C. Relyea, 76 William St., New York. The Delaware & Eastern R. R., which is projected as a coal carrying road, running from Wilkes-Barre, Pa., to Schenectady, N. Y., and rivaling the Delaware & Hudson, is now under construction in its middle section, but the two ends in this State, embraced in the Schenectady & Margaretsville and the Hancock & East Branch Railroads, are defending litigation in the courts.

DEXTER & EASTERN.—C. W. Campbell, Pres. and Ch. Engr., Dexter, N. Y., advises us that engineering work is completed, all contracts let and all equipment purchased for this railroad. Noted on May 14.

GOULD SOUTHWESTERN.—S. G. McClellan, Gen. Mgr., Gould, Ark., advises us that this company will let contracts at once for building an extension from Webber to Star City, Ark., ten miles. T. S. Estabrook, Vice-Pres., Fisher Bldg., Chicago. Surveys are made and right-of-way and capital have been secured. E. C. Buchanan is Ch. Engr., Little Rock, Ark.

HARRISVILLE & CORNWALLIS.—J. B. Westfall, Secy., Harrisville, W. Va., advises us that this company will not let construction contracts. It is building its railroad by force account. The line will connect Harrisville and Cornwallis, six miles. Surveys are made. Right-of-way is obtained. W. S. Stout is Pres. and A. Wolverton is Ch Engr, both at Harrisville. Incorporation was noted on March 12.

LOUISIANA.—The Southern Mineral & Land Improvement Co., of New Orleans, will invite bids for the construction of five miles of railroad from Winnfield to its quarry, it is reported. I. L. Lyons is Pres.; R. M. Walmsley, Charles C. Carroll, Warren Kearny, Gustaf R. Westfeldt and others, all of New Orleans, are the directors. J. F. Coleman, Hibernia Bank Bldg., New Orleans, is Ch. Engr.

MEXICAN PACIFIC.—J. M. Neeland, Vice-Pres. and Gen. Mgr. of the Pan-American Railroad, which will soon be in operation between San Geronimo, where it connects with the Tehuantepec National Railroad, and a point on the border line between Mexico and Guatemala, states that he has succeeded in financing his Mexican Pacific Railroad project and that he will make formal application to the Federal Government for a concession. The Mexican Pacific is to run from Jalisco, a Pacific Coast town on the Pan-American road, to Campeche, a distance of about 810 miles, where it will connect with the United Railways of Yucatan, which system radiates in all directions out of the City of Merida. The M. P. will penetrate a virgin territory, vast in area, which is now entirely without railroad or other means of transportation. The headquarters are in the Grosse Bldg., Los Angeles, Cal. J. M. Doak is Pres.

MEXICO.—The Mexican Government has adopted plans for building a branch line of the new Government merger system of railroads to run from Victoria State of Tamaulipas, to the port of Soto La Marina, on the Gulf of Mexico. The proposed road will be about 100 miles long, according to the Boston "Transcript," and will connect with the Mexican Central at Victoria. For most of the distance it will traverse the valley of the Soto la Marina River. In connection with this railway project the Government will soon let the contract for extensive harbor improvements at Soto la Marina, which at present is in its primitive state of undevelopment. The work will consist chiefly of the construction of a ship channel which will be about eleven miles long. This channel will afford a new outlet for the Soto la Marina River through the Laguna Madre and will do away with the bar which now exists at the mouth of that stream. L. Kingman is Ch. Engr., Mexican Central, Mexico City.

NASHVILLE & HUNTSVILLE.—W. J. BENNETT, of Huntsville, Ala., and J. E. TONEY, of Chattanooga, Tenn., have been awarded grading contracts. I. L. McCORD, of Nashville, Tenn., is the general contractor.

NEW JERSEY.—Bids are asked by the Executive Committee until 10.30 a. m., June 20, at the Administration building of the New Jersey State Village for Epileptics, Skillman, N. J., for the grading, masonry, bridges, trestle, and all work necessary to construct a railroad siding in condition to permit the laying of the track across the lands of the said village. Specifications and form of contract may be seen in the office of the superintendent at the village.

NEW ORLEANS, FORT JACKSON & GRAND ISLE.—Company has filed an amendment to its charter to permit an extension from Buras to Southwest Pass, also for a branch to Grand Isle, La. A. Kennedy is Pres. and C. D. Haines, Vice-Pres., both at New Orleans. Noted on Jan. 23.

ROME & OSCEOLA.—We are officially advised that surveys have been made and right-of-way secured. This company will build a standard-gage railroad from Rome to Osceola, N. Y., 25 miles. It is to be operated by steam. The capital stock of the company is $500,000. Date for letting construction contracts is uncertain, but they probably will not be let this year. The directors of the corporation are as follows: W. Pierrepont White, Pres., Utica N. Y.; David Swancott, of Lee Center, N. Y.; Jay A. Pease, of Boonville; William I. Taber, and Hugh White, of Utica; W. S. Jones, of Pierrepont Manor; Jonathan S. Haselton, Thomas H. Stryker, Franklin A. Ethridge, John S. Wardwell, Fred M. Shelby, Edward H. Comstock and John D. McMahon, of Rome. Clifford Lewis, Jr., Second National Bank Bldg., Utica, is Ch. Engr.

SONORA RY.—Contract has been awarded to CARL LEONARDT, H. W. Hellman Bldg., Los Angeles, Cal., for roundhouse, shop buildings, water tank and railroad structures, at Elpalme, State of Sonora, Mex. Estimated cost, $150,000.

TONOPAH & TIDEWATER RY.—This company is being organized under the laws of Delaware with a capital of $5,280,000 to become the holding company of the Tonopah & Tidewater R. R. and the Bullfrog-Goldfield R. R. The Tonopah & Tidewater R. R., the controlling interests in which dominate the new holding company, owns a line 168 miles in length extending from Ludlow, Cal., on the Atchison, Topeka & Santa Fe, to Beatty, Nev., with a branch to Ryan, seven miles. The Bullfrog-Goldfield R. R. operates a line from Bullfrog to Goldfield, Nev., 83 miles. The Tonopah & Goldfield, which has been operated in connection with the Bullfrog-Goldfield, is not included in the amalgamation. An extension from Goldfield to Ely, Nev., 200 miles, is planned. The officers of the holding company are: F. M. Smith, Pres., Oakland, Cal.; D. W. Van Buskirk, First Vice-Pres., Bayonne, N. J.; Arthur Brock, Second Vice-Pres., Philadelphia, Pa.; John Ryan, Gen. Supt., Ludlow, Cal., and W. R. Alberger, Traffic Mgr., Los Angeles, Cal.

ELECTRIC RAILWAYS.

HOPKINTON, R. I.—The Ashaway & Westerly R. R. Co. has been granted a franchise in Westerly. This electric line will connect Ashaway and Westerly. As previously noted, Dr. A. B. Briggs is Pres.; John W. Sweeney, Vice-Pres., and Frank Hill, Secy. and Treas. Preliminary survey will be made at once. Capital stock, $100,000. As noted on Feb. 6, company's charter allows the acquisition of property by condemnation proceedings, and also permits the corporation to engage in the manufacture and sale of electricity for heat, light and power. Headquarters are at Hopkinton.

LIMA, N. Y.—We are officially advised that the Lima-Honeoye Elec. Light & R. R. Co. is now working on surveys for an extension north to Rochester and south to Atlanta and Wayland, Steuben County, N. Y., 69 miles. Company now operates five miles of line. C. A. Watkins is Ch. Engr.

MOUNT HOLLY SPRINGS, PA.—The Mount Holly & Gettysburg Ry. Co. has been chartered to build a 3-mile line at Mount Holly Springs, Cumberland County. The capital is $18,000. The incorporators are T. M. Nelson, Chambersburg; A. H. Nelson, Atlantic City; Wm. Alexander, Chambersburg; C. H. Mullin, Mount Holly; Wm. McGowen and F. A. Zimmerman, Chambersburg, and W. T. Pascoe, Allentown. T. M. Nelson is Pres. and F. A. Zimmerman is Secy. and Treas., respectively, of the Carlisle and Mount Holly Ry. Co.

FREDERICK, MD.—The Washington, Frederick & Gettysburg Ry. Co., A. C. McBride, Gen. Mgr., has let the contract for extending the railway from Lewiston to the Monocacy Valley R. R., 3½ miles, has been awarded to J. E. McDONOUGH, of Frederick, Md. Noted on May 21.

NEW MARTINSVILLE, W. VA.—The Union Traction Co. has been incorporated in West Virginia to operate an electric railway from a point on the dividing line between Wetzel and Marshall Counties to New Martinsville, Brooklyn, Paden City and Sistersville; and from there possibly to St. Mary's in Pleasants County. Capital stock, $150,000, of which $50,000 has been paid in. Incorporators: H. W. McCoy, G. E. Work, S. G. Messer, R. Broadwater, of Sistersville; I. D. Morgan, E. L. Robinson, New Martinsville, W. Va. The Union Traction Co. will operate the line formerly known as the Wetzel & Tyler Ry., eleven miles in length.

CHARLESTON, S. C.—The stockholders of the Charleston & Summerville Electric Railway Co. at a recent meeting approved plan to increase capital stock by the issue of $400,000. The company proposes to complete its line between Charleston and Summerville, 27 miles, on which construction ceased some time ago. George Tupper of Charleston, S. C., is Secy. and Treas. This project was fully noted on March 26.

ATLANTA, GA.—The Georgia Railway & Electric Co. will build an extension from Brookwood along Peachtree Road, three miles, to Buckhead.

The Atlanta, Griffin & Macon Railway Co., and the Americus & Albany Electric Railway Co., which are controlled by the same interests, have applied to the State R. R. Commission for authority to issue $5,000,000 in stock and $5,000,000 in bonds for their proposed electric railways between Atlanta and Macon and Macon and Albany. W. J. Massee, of Macon, is Pres. It is probable that construction will begin immediately.

KEY WEST, FLA.—We are officially informed that the Bureau of Yards and Docks, Navy Dept., has placed in the hands of the Public Printer, specifications for the construction of a marine railway at the Naval Station, Key West, Fla. The railway is to be about 693 ft. long with two lines of rails, and stringers 12 ft. apart, resting on pile foundation. The cradle will be about 162 ft. in length and will travel on rollers over the inclined track. Hauling out machinery and a house to cover the same are included. The contract will allow twelve calendar months for the completion of the work. The appropriation available is $18,500. Plans and specifications should be ready for distribution in about three weeks.

GARY, IND.—Gary & Southern Traction Co., of Crown Point, has been incorporated in Indiana, with capital stock of $10,000, to construct an electric railroad in Crown Point and Gary and through Lake County. Directors are: F. M. Clark and H. C. Wood, Chicago; H. W. Seaman, Clinton, Iowa, and Warren Bicknell, Cleveland, Ohio. Noted on June 4.

INDIANAPOLIS, IND.—It is officially announced that the Indianapolis & South Bend Traction Co. is making surveys at Logansport for the proposed interurban railway. Incorporation of this company was noted on Feb. 20. Capital stock is $10,000. The company proposes to construct and operate street and interurban railways for passengers and freight service, the main line, with its several branches, to connect Indianapolis, Westfield, Sheridan, Kirklin, Michigantown, Burlington, Logansport, Rochester, Plymouth, South Bend, La Fayette, Clarkshill, Linden, Veedersburg, Delphi, Flora, Kokomo, Frankfort, Tipton, Lebanon and Noblesville. John H. Kellar, of Logansport, Pres. and Gen. Mgr. Noted on Oct. 31 and Nov. 14, 1907.

FRANKFORT, IND.—The Indianapolis, Frankfort, Delphi & Chicago Traction Co. plans to let construction and equipment contracts this month for its proposed line between Frankfort & Delphi, 27 miles, which surveys are made. This company proposes to build an electric railway from Frankfort to Hammond, Ind., 120 miles, via Delphi, Monticello, Monon, Rensselaer and Cedar Lake. Company has water-power rights at Prymont, Ind., which will develop power for the road from Frankfort to Delphi as well as for commercial purposes; also on the Tippecanoe River at Monticello, which will furnish power for the line to Chicago. Abe S. Straus, 181 La Salle St., Chicago, is Pres.; W. H. Cohee is Vice-Pres. and Gen. Mgr., Frankfort; Bert Wills, Frankfort, Secy., and Charles E. Hyman, Chicago, Treas. J. R. Brown, Frankfort, is Ch. Engr. Noted on May 28.

KANKAKEE, ILL.—We are officially advised that the Chicago, Kankakee & Champaign Elec. R. R. Co. "is now obtaining the right-of-way from Kankakee to Champaign. We hope to finish by the last of July or Aug. 1. The proposed route is 75 miles, through one of the richest and best farming portions of Illinois. The first survey has already been made and at present our civil engineer is making a few changes. The right-of-way will be purchased with deed and abstract of title, also 50-year franchises through the various towns on the line. As yet we have let no contract for the construction of the road, but expect to as soon as the right-of-way is obtained and paid for. Our capital stock is $100,000, which will be ample to procure the right-of-way, franchises and other necessary expenses thereto, all of which will be paid for before we begin active operations. We shall be in the market in a short time for a loan of about $2,000,000 with which to construct the road and put it in operation, with first-class equipment in every detail." Ira F. Palmer is Pres.; F. E. Hobart, Secy.; R. W. Renton, Ch. Engr. General office, 184 Court St., Kankakee. Noted on May 14.

TAYLORVILLE, ILL.—W. B. Adams, Gen. Mgr. of the Taylorville Railway, Light, Heat & Power Co., states that construction will begin soon on this company's railway, which will be a local line, about four miles in length. Financial arrangements have been made, but construction contract has not yet been awarded. The power station will be located at Taylorville and current will be sold for commercial purposes. Overhead trolley will be used. The company expects to operate an amusement park, about one mile from the city. Capital stock, $150,000. James Forester, Taylorville, is Pres.; Henry Cheney, Taylorville, Vice-Pres.; James A. Adams, Secy., and W. B. Adams, Gen. Mgr. Noted on April 9.

SIOUX CITY, IOWA.—A. A. Smith, City Clerk, advises us that a special election was held on May 28, at which the voters of Sioux City rejected the street franchise of the Sioux City Traction Co. Previously noted.

COFFEYVILLE, KAN.—Location survey is being made for the Kansas Traction Co.'s proposed line from Coffeyville through Chanute, Ottawa and Lawrence, Kan., where a branch will run to Topeka and to Kansas City. It will be about 150 miles long. F. B. Shirley is Pres., Coffeyville. Construction work will begin as soon as the survey is finished. Estimated cost, $6,000,000. The third rail system will be used.

OKLAHOMA CITY, OKLA.—The Canadian Valley Ry. Co., which proposes to build a 150-mile interurban line connecting Fort Supply, Woodward, Mutual, Seiling, Canton, Geary, El Reno and Oklahoma City, will begin construction work this fall. The road was incorporated in April with a capital stock of $2,000,000, as noted on April 30. Thomas Martin, Pres.; E. O. McCann, Secy.; L. A. Foster, Treas., Mutual, Okla.

GUTHRIE, OKLA.—The Guthrie & Interurban Ry. Co. has been incorporated in Oklahoma, with $100,000 capital stock, to build an electric interurban railway from Guthrie to a point on the Cimarron River, a distance of five miles. Incorporators, C. R. Renfro, F. E. Houghton, G. Crow and R. E. Overton, of Guthrie, and E. C. Brown, St. Louis.

OAKLAND, CAL.—At a meeting held on May 26, the Board of Supervisors made a proposition to Joseph Naphtaly and A. W. Maltby, who propose building an electric line from Oakland to Lafayette and Walnut Creek in Contra Costa County, by which the proposed railway may be run through the tunnel between Alameda and Contra Costa Counties. The Supervisors, at the suggestion of District Attorney E. J. Brown, informed Messrs. Naphtaly and Maltby that they would be allowed to run their line through the county tunnel if they would pay the county $10,000 for ten years' use of the tunnel, asphalt the road running through it and light and keep it in repair. Messrs. Naphtaly and Maltby stated that they would take the proposition under advisement. Noted on May 28.

DUNNVILLE, ONT.—The rate-payers have approved a by-law authorizing the purchase of $30,000 of bonds of the Dunnville, Wellandport & Beamsville Elec. Ry. Co., to assist in construction of the road. Noted fully on March 12. A two-years' extension of time in which to commence construction has been granted to this company by the Provincial Legislature.

MORRISBURG, ONT.—I. Hilliard, of Morrisburg, is interested in proposed incorporation of the Morrisburg Elec. Ry. Co., which plans the construction of an electric railway from Morrisburg, through Williamsburg, Winchester, Chesterville and Morewood to Russell, with a branch line to Winchester village. Application will be made to the Ontario Legislature for a charter.

VANCOUVER, B. C.—BOYD & CRAIG, Vancouver, B. C., have been awarded the contract for the construction of the first twelve miles of the line between New Westminster and Chilliwac for the British Columbia Electric St. R. R. Co. Noted on Dec. 19, 1907.

CALGARY, ALTA.—P. A. G. Rodrigue, of Calgary, has made application to the City Council for permission to construct a street railway system according to a set of plans submitted. He would take electric power from the city. Noted on April 9.

LIGHT AND POWER PLANTS.

(denotes that this work is advertised in Engineering News.)*

CLINTON, MASS.—We are officially advised that plans and specifications for a power-house for the Bigelow Carpet Co., Clinton, Mass., have been completed and bids called for by Charles T. Main, 45 Milk St., Mill Engr. and Arch., Boston, Mass. The plans include power, boiler and pump-houses, stack and coal pocket, and contemplate an installation of over 2,500 boiler HP. and about 1,100 KW. in generating sets.

SHREWSBURY, MASS.—The contract for installing the municipal electric light system has been awarded to the DELTA ELECTRIC CO., 22 Front St., Worcester, for $11,159. The contract for electrical energy for operating the system has been awarded to the MARLBORO ELECTRIC CO. for a term of five years. Under the terms of the contract the Marlboro company is to deliver electricity at 6,600 volts, 3-phase, near the town hall, and is to maintain and erect the transmission line from its plant to the substation. A 24-hour service will be furnished. Eugene W. Godfrey, 82 Florence St., Marlboro, Mass., is Supt. Marlboro Electric Co.

WELLFLEET, MASS.—THOMAS & CONNOR, of Middleboro, Mass., have secured contract at $16,240, to construct a dike on the Herring River at Wellfleet. The dike will be used for power purposes.

NEW YORK, N. Y.—Bids [illegible]ked until 11 a. m., June 22, by C. B. J[illegible]der, Supt. School Bldgs., Dept. of Edu[illegible] for alterations and additions to the [illegible] equipment in Public Schools Nos. 2, [illegible] 28, 88, 92, 105, 131, 140, 161 and [illegible] Boro. of Manhattan; for alterations and [illegible]tions to the electric bell and electric systems in Public Schools Nos. 46, 157, 184 and 186, Boro. of Manhattan.

NEW YORK, N. Y.—The f[illegible] bids were received on June 8 by C. [illegible]nyder, Supt. School Bldgs., Dept. of E[illegible]on, for installing electric equipment [illegible] additions to and alterations in Pub[illegible]ol No. 64, on the north side of Belmo[illegible], Berriman and Atkins Sts., Boro. [illegible]oklyn: A. Feldman Co., Bible House, $1[illegible] Griffen & Co., 116 Nassau St., $15,747; [illegible]ercial Construction Co., 114 East 28th [illegible],640; Ries & O'Donovan, 1123 Broad[illegible],731; T. Frederick Jackson Co., Inc., [illegible]umbus Ave., $13,920.

NEW YORK, N. Y.—In the U[illegible] States Circuit Court on May 20 Jud[illegible]ombe issued an order authorizing F[illegible] W. Whitridge, as receiver of the Th[illegible]venue R. R. Co., 42d St., Manhattan [illegible] & St. Nicholas Ave. Ry. Co., the Dry [illegible] East Broadway & Battery R. R. Co. [illegible] the Union St. Ry. Co., to issue rec[illegible] certificates to an amount not to exc[illegible],500,000. For the improvement of pr[illegible] and service of the Third Avenue R. R. Co. the following expenditures will be made [illegible] electrical work: $436,000 for renewals [illegible] repairs to and maintenance of tracks [illegible] electrical equipment and paving; $225,0[illegible] for the erection of a power station at 1[illegible] St.; $225,000 for erection of a power [illegible] in the neighborhood of the Kingsbridge plant of the Union St. Ry. Co.

ALBANY, N. Y.—Bids are asked [illegible] the Board of Contract and Supply, Alb[illegible] until 3 p. m., June 15, for electric motor equipment for exhaust fans for Schools [illegible] 9, 10, 12 and 21; and also for a chemi[illegible] and bacteriological examination of the wat[illegible] supply. Walter Melius is City Engr.; [illegible]dore Wachsman is Secy. of Bd.

BUFFALO, N. Y.—Francis G. Ward, Comr. of Public Works, City Hall, has been instructed to prepare specifications and to advertise for bids for furnishing gas to the city for lighting the streets and public buildings; also for lighting the streets with vapor or hydro-carbon lamps.

WHITE PLAINS, N. Y.—The following bids were received at the office of the Board of Supervisors for construction of depressed boiler and power-house for Westchester County Court-house: John B. Schaefer, Jr., Co., $89,978; Merrill-Ruckgaber Fraser Co., $89,476; Whitney, Stein & Co., $94,680, and Freeman H. Merritt, $130,413. Lord & Hewlett, 345 Fifth Ave., New York, N. Y., are Archs.; Chauncey T. Secor is Chn.

WASHINGTON, D. C.—Bids are asked until 2 p. m., June 18, by Bernard R. Green, Supt. of Construction of Building for National Museum, Library of Congress, Washington, D. C., for furnishing and delivering engines, including the installation of the same for the National Museum in Washington.

ST. ANDREW, FLA.—The St. Andrew Light & Power Co. will construct a plant here to cost about $12,000. T. J. McSween is Engr.-in-Charge.

KEY WEST, FLA.—The Key West Electric Co. contemplates enlarging its power plant in this city and has secured options on the property adjoining its present power station, on which additions to the plant will be erected. Stone & Webster, 147 Milk St., Boston, Mass., are Gen. Mgrs.; O. C. G. Urban, Key West, is Mgr.

WHITE SPRINGS, FLA.—D. G. Zeigler & Co., of Atlanta, Ga., are making surveys for developing water power at a point three miles from here. It is estimated that about 23,000 HP. can be developed.

ABBEVILLE, ALA.—Plans are being considered for the construction of an electric light plant, contracts for which will be placed soon. The cost of the plant is estimated at $12,000. P. A. McDaniel is Mayor.

LAKE CHARLES, LA.—The Hi-Mount Land Co., Ltd., has contracted with Lake Charles Ice, Light & Water-Works Co. for construction of electric light system and extension of water mains to Hi-Mount. J. A. Landry, Lake Charles, is Mgr. of the electric company.

UNIVERSITY, MISS.—Bids are asked until July 1 for construction of a steam power plant here for the University of Mississippi, to cost $35,000. Dynamos, overhead wire, underground conduits and other machinery are needed. F. G. Proutt, Memphis, Tenn., is Engr.; D. M. Kimbrough is Chn. Bldg. Com., Oxford, Miss.

MAYFIELD, KY.—The Mayfield Water & Light Co. will rebuild its water, light and power plant, recently burned. W. E. Playter is Engr.; John W. Landrum is Pres.

CAROLLTON, KY.—The City Council has let the contract for the proposed electric light plant to SAMUEL HILL, JR., of Cincinnati, for $19,200.

CINCINNATI, OHIO.—We are officially advised that the Paint Creek Power, Light & Heat Co. has been surveying for power dams in Ross, Highland and Fayette Counties. I. J. Miller, Cincinnati, is interested. Charles J. Hosbrook is Ch. Engr.

MOUNT VERNON, OHIO.—Plans have been approved by the State Tuberculosis Hospital Commission, Columbus, for a power-house and several other buildings for the new hospital located near Mount Vernon. The State Legislature has made an appropriation of $350,000 for improvements to the hospital, including the construction of a power plant to furnish light and heat, water-works, several new buildings, etc. Dr. C. D. Pro[illegible]t is Secy. of Comn.

WEST MILTON, OHIO.—L. A. Pearson, West Milton, advises us that he is considering plans for construction of a hydro-elec-

tric plant to cost about $10,000. It is proposed to install an electric lighting system, including 2[illegible] arc lamps of 2,000 c. p. and 1,000 incandescent lamps. Plans will be ready for bids about July 1.

MICHIGAN CITY, IND.—It is reported that a $1,0[illegible],000 power plant will be erected in this city by the Chicago, Lake Shore & South Bend Ry. Co. The plant will furnish electrical power to operate the cars of the South Bend and Chicago road. It is stated that the company contemplates the construction of a railway to Niles along the route of the Michigan Central and eventually to Kalamazoo, Mich. John W. S. Riegle, South Bend, is Ch. Engr.

INDIANAPOLIS, IND.—Extensions are to be made to the plant of the People's Light & Heat Co., lately reorganized. The new company has acquired the coal mines of the Fauvre Coal Co. in Vigo County, several miles west of Terre Haute. Here the company proposes to establish a central power plant, in which to generate electric power, and from which to distribute it throughout a field that is expected eventually to include the cities and towns of central and western Indiana and eastern Illinois. The company will build a plant first that will produce about 5,000 HP. of electric power, and deliver this on a line to run through Terre Haute, Brazil, Greencastle, Danville and Plainfield to Indianapolis. Frank M. Fauvre and Paul H. White are interested.

MARQUETTE, MICH.—Bids will be received about June 15 for the construction of a sub-station in connection with the present municipal power plant, the cost of which is estimated at $12,000. C. W. Humphrey, The Rookery, Chicago, Ill., is Engr.; C. Retallic is Supt., Marquette.

JOLIET, ILL.—The Committee on Real Estate of the Drainage Board has reported favorably regarding the lease of 56½ acres to the Western United Gas & Electric Co. On this land the company proposes to erect a plant to supply gas to Joliet, Aurora, Elgin and other towns. It is estimated that the plant will cost $1,000,000. H. L. Rice, Aurora, is Gen. Mgr.

MOLINE, ILL.—It has been decided by the Tri-City Railway & Light Co., Davenport, Iowa, to renovate the gas plant located at the foot of Fourth St., Moline. The capacity will be increased. James F. Lardner, Davenport, is Mgr.

BRUCE, WIS.—See under Water Supply—Irrigation.

LA CROSSE, WIS.—Plans are being considered by the La Crosse Water Power Co., which has just completed a 16,000-HP. hydro-electric plant at Hatfield, for the construction of another plant below Hatfield, on the Black River. Orland Holway is engaged in the preliminary work. It is proposed to construct a dam at Levis Island. A company will be organized to build the new power plant, which will be located about two miles above the city. E. G. Boynton is Pres.

DECORAH, IOWA.—The Upper Iowa Power Co. has let contract to RICH, CARLSON & FEIFE to rebuild the dam destroyed last year. W. H. Burtis, Decorah, is Pres.

ATLANTIC, IOWA.—J. L. Darnell, Engr., Kansas City, Mo., is preparing plans for a 1-story power-house for the city of Atlantic.

VALLEY CITY, N. DAK.—Bids are asked by the City Council until July 6 for the sale of the municipal electric light plant. A 20-year exclusive franchise will be granted to the successful bidder. Bids for less than $40,000 will not be considered. H. F. Halverson is City Audr.

SOLOMON, KAN.—Plans are being prepared by Burns & McDonnell, Engrs., Kansas City, Mo., for constructing an electric light plant and water-works system here.

TOWNSEND, MONT.—Bids are asked until Aug. 1 by the Deep Creek Improvement Co. to build a 600-HP. electric plant on Deep Creek, to cost about $85,000. Power will be used for lighting Townsend and for operating mines. N. S. Poole is Gen. Mgr., Townsend; C. Hebrinch, Helena, Mont., is Engr.

MOUNT VERNON, MO.—Bids are asked by Dr. J. L. Eaton, Pres., Missouri State Sanatorium, until June 13 for equipment of power plant, electrical lighting, heating, etc.

AUSTIN, TEX.—We are officially advised that Walter G. Kirkpatrick, C. E., of Jackson, Miss., has been directed by the Water, Light & Power Co., of Austin, to make plans for rebuilding of the Austin dam. Core borings are being made, to investigate the underlying stratification. The original dam was 60 ft. high, with its entire length a weir dam, of limestone masonry faced with granite. It is proposed to rebuild and equip the dam for electric power.

COLORADO SPRINGS, COLO.—The Colorado Springs Electric Co. has decided to make improvements to its plant on West Cucharas St. Work will commence at once, and it is expected to have it completed before fall. The output of the plant will be increased to 1,500 KW. The cost is estimated at $100,000. The Colorado Springs Electric Co. will begin work on its power plant in Ute Pass soon. The company has already secured reservoir sites. R. P. Bache, Colorado Springs, is Gen. Mgr.

BREMERTON, WASH.—Bids are asked until 11 a. m., July 8, by R. C. Hollyday, Ch. Bureau of Yards and Docks, Navy Dept., Washington, D. C., for constructing a structural steel frame for the central power station, Building No. 106, U. S. Navy Yard, Puget Sound. Specifications are on file at the office of Engineering News, New York.

YAKIMA, WASH.—Construction of a power canal to develop 3,400 HP., utilizing the full minimum flow of the Yakima River, is to be started this summer by the North Yakima & East Selah Irrigation Co. Bids will be received by the company and Smith & Young, Engrs.

OROVILLE, CAL.—The Pacific Gas & Electric Co. is contemplating the construction of a power plant at Bucks Valley. The company is endeavoring to purchase several hundred acres of land in Bucks Valley, about 45 miles from this city, to be used as a reservoir site, where it is stated that between 45,000 and 50,000 HP. can be developed. John A. Britton is Gen. Mgr., San Francisco.

SONORA, CAL.—G. F. Wakefield, of San Jose, Cal., has filed a notice of appropriation of 45,000 miner's inches of water on the Middle Fork of the Tuolumne River; also all public lands to be flooded, the water to be conveyed to Moccasin Creek Mouth, where it will be used for the generation of electricity and for irrigation purposes in Tuolumne and other counties.

MOAB, UTAH.—Henry Grimm, of Moab, has applied to the State Engineer, Salt Lake City, for the right to use the water of Green River for generating electricity for power and lighting purposes. Mr. Grimm and his associates will construct a canal from Green River to Moab.

MONTREAL, QUE.—The City Council has decided to accept the offer of the Robert Co. to supply electricity in the city for lamps and motors. The company will develop power on the Beauharnois Canal. E. A. Robert, E. B. Greenshields, G. G. Foster, and others are interested in the enterprise.

LISTOWEL, ONT.—Bids are asked until June 18, by the Town Council for a complete electric lighting equipment of about 200-HP. capacity, consisting of gas producers and engines, boilers and steam apparatus, generators, switchboards, transmission supplies, etc. K. L. Aitken is Consult. Engr., Traders' Bank Bldg., Toronto, Ont.

*TORONTO, ONT.—The date of receiving bids has been changed from June 2 to July 15 by Hon. Adam Beck, Chn. Hydro-Electric Power Comn., Continental Life Bldg., for construction of steel transmission towers, transmission line cable and erection of transmission system. The lines will connect Toronto and Niagara Falls and St. Thomas and Niagara Falls.

KINGSTON, ONT.—The Kingston Milling Co., Brock St., has secured the right of developing power at Kingston Mills, six miles east of here, and will transmit power to the mill, which will be enlarged. The City Council will give the company the right for ten years to use steel poles to carry the wires.

WOLSELEY, SASK.—The Central Light & Power Co. will increase the capacity of its plant soon. It is proposed to install a 150-HP. gas engine and suction gas producer and a 90-KW. generator. Lee Boyer is Mgr.

CALGARY, ALTA.—Bids were opened on May 25 for the proposed extensions to the electric light system. Prices ranged from $20,000 to $49,000. The following firms submitted bids: Drummond, McCall & Co., Montreal; Minneapolis Steel & Machine Co.; Canadian General Electric Co.; Robb Engineering Co.; Goldie & McCulloch, Galt; Canadian Crocker-Wheeler Co.; Lourie & Lamb, and Allis-Chalmers-Bullock, Ltd., Montreal.

NEW WESTMINSTER, B. C.—Arrangements are being made by the Canadian Pacific Ry. Co. to equip its road between here and New Westminster Junction, to be operated by electricity. F. E. Busteed, of Vancouver, is Gen. Supt.

VANCOUVER, B. C.—The Vancouver Power Co., of this city, will build a permanent concrete dam at the outlet of Lake Coquitlam, about eight miles from New Westminster Junction, B. C. The dam will be approximately 200 ft. wide at crest and over 300 ft. over abutments, and about 60 ft. high.

BRIDGES.

BOSTON, MASS.—The following bids were opened on June 2 by William Jackson, City Engr., for the construction of a power plant and draw tender's house for the Northern Ave. bridge: Jones & Meehan, $4,075; J. E. Locatelli, $4,500; William Mahoney, $4,650; John C. Baglee, $4,665; the Cahill Construction Co., $4,929.

BOSTON, MASS.—The Board of Aldermen on May 18 passed the Mayor's Emergency Loan Bill, which included an appropriation for the construction of bridges as follows: $75,000 for Chelsea bridge; $55,000 for Huntington Ave. bridge; $40,000 for Massachusetts Ave. bridge, and $35,000 for the Congress St. bridge.

ROCHESTER, N. Y.—The Governor has signed the bills authorizing an appropriation of $50,000 for the construction of a lift bridge at Allen St. and $55,000 for a lift bridge at Lyell Ave.

*CROTON FALLS, N. Y.—The contract for the construction of two highway bridges here and for repairs to the bridge near Ossining has been awarded by the Commission on Roads and Bridges to M. FITZGERALD of Hoosick Falls, N. Y., at $11,489. Bids were opened on May 29. George I. Ruscoe, White Plains, N. Y., is Chn. Comn.

TRENTON, N. J.—Plans prepared by the County Engineer for the construction of a combination steel and concrete bridge over a stream crossing the Scotch road near the Ewing Station, have been approved.

WASHINGTON, PA.—We are officially advised that the Hennebique Construction Co., 1170 Broadway, New York, submitted the lowest bid to the State Highway Department on June 5 for the construction of a reinforced-concrete viaduct on the National pike in Washington County. J. W. Hunter is Comr.

HUNTINGDON, PA.—Bids are asked by the Board of Supervisors of Henderson Township until June 15, for the construction of a concrete or stone arch over Numer Hollow Run, near Snyder's Crossing on the road from Huntingdon to Mill Creek. W. F. Lucas, Union Church, Pa., is Secy. Bd.

BUTLER, PA.—Bids are asked until noon, June 12, by the County Commissioners for the construction of the sub and superstructures of bridges in various townships. Robert K. Grossman is Clk. Comrs.

*PHILADELPHIA, PA.—The following were the lowest bidders on June 3 for the construction of bridges on (a) the line of Large St., under the Philadelphia & Frankford R. R., 23d Ward; (b) the line of the Boulevard, over the Oxford road branch of the connecting railroad, 35th Ward; (c) the line of the Boulevard over Philadelphia & Frankford R. R., 35th Ward; (d) the line of 42d St., over the main line of the Pennsylvania R. R., 24th Ward; (e) line of 61st St., over the Baltimore & Philadelphia R. R., 40th Ward: (a) Blackstaff Engineering Co., Philadelphia, $24,300; (b) Cramp & Co., Commonwealth Bldg., Philadelphia, $25,325; (c) Blackstaff Engineering Co., $32,340; (d) Oswego Bridge Co., Oswego, N. Y., $76,950; (e) Cramp & Co., $27,800. George R. Stearns is Dir. Pub. Wks.

WILMINGTON, DEL.—The Board of Park Commissioners have directed plans to be prepared for the construction of a bridge across Brandywine Creek. A. Betts is Treas. Bd.

WASHINGTON, D. C.—Bids are asked by the Commissioners of District of Columbia until June 20 for supplying and installing electro-magnetic brakes on the Anacostia River bridge draw.

GADSEN, ALA.—The Louisville & Nashville R. R. Co. has decided to have a bridge constructed over the Corsa River, about 600 ft. long. A. Snellen is Insp. Bridges and Bldgs., Louisville, Ky.

MERIDIAN, MISS.—W. G. Wetmore, City Engr., is preparing plans for the construction of a reinforced-concrete bridge on Eighth St., one span to be 25 ft. long and foundation 10 ft. deep.

*WAKEMAN, OHIO.—Bids were received by the County Commissioners for the construction of a reinforced-concrete arch bridge over the Vermillion River here for Huron County on June 4, as follows: (1) Michael J. Callan and A. C. Schultz, $19,426; (2) Louis P. Battefeld, Bucyrus, Ohio, $20,800; (3) Masters & Mullen Construction Co., Cleveland, Ohio, $16,722; (4) C. S. Lambie & Co., Pittsburg, Pa., $15,284; (5) Watson & Son, Minerva, Ohio, $16,012; (6) SCHILLINGER BROS. & CO., Columbus, Ohio, $15,055 (awarded contract); (7) Capital Construction Co., Columbus, Ohio, (on alternate plan), $17,671; (8) Home Engineering Co., Canton, Ohio, $18,034; same (alternate plan for concrete bridge), $18,865; same (alternate plan for steel bridge), $14,784; (9) Modern Construction Co., Fremont, Ohio, (for six alternate plans for steel bridges, $14,782 to $17,870; (10) Hunkins Bros. Construction Co., Cleveland, Ohio, $18,440. All bids unless otherwise designated, are based on engineer's estimate of quantities and on engineer's plans. The bridge is a 3-hinged, open-spandrels, ribbed-arch of 145 ft. span and 220 ft. over all, and carries an 18-ft. roadway with reinforced concrete floor. Wilbur J. Watson, Citizens' Bldg., Cleveland, Ohio, is Engr.

CLEVELAND, OHIO.—Bids are asked by the County Commissioners until 11 a. m., July 1, for the construction of a concrete arch in Parma Township. William F. Black is Clk. Comrs.

UHRICHSVILLE, OHIO.—Bids are asked until June 22 by the County Comrs., New Philadelphia, Ohio, for constructing a 2-span concrete bridge over Stillwater Creek on the road from Uhrichsville to Dennison. C. J. Knisley is Engr.

DAYTON, OHIO.—Bids are asked by the Board of Public Service until July 1 for the construction of a concrete steel bridge across Great Miami River at Stratford Ave. F. J. Cellarius is City Engr.

MIAMISBURG, OHIO.—Bids are asked until June 25 by T. J. Kauffman, County Audr., Dayton, Ohio, for constructing the sub and superstructure of a hand-hoist bridge over the Miami and Erie Canal at Linden Ave. H. R. Klepinger is County Engr.

PAULDING, OHIO.—Bids are asked until June 19 by Floyd Atwill, County Audr., for the construction of bridges in various townships.

SPRINGFIELD, OHIO.—Plans for the construction of a bridge at Nelson and Sherman Aves. are being prepared by the Osborne Engineering Co., Osborn Bldg., Cleveland, Ohio. Estimated cost, $40,000.

CLEVELAND, OHIO.—The detailed plans prepared by A. B. Lea, County Engr., for the construction of the Rocky River bridge on Detroit Ave. were presented to the Board of County Commissioners and signed by them and the County Auditor on June 3.

CONNERSVILLE, IND.—Bids are asked by the Commissioners of Fayette County until 10 a. m., July 10, for the construction of the following bridge, repairs, etc.: one 45-ft. concrete arch bridge with 45-ft. roadway over White Water River and for constructing the fills. Jasper L. Kennedy is County Audr.

BENTON HARBOR, MICH.—W. H. RONEY, Chicago, Ill., has been awarded the contract for constructing a bridge over the St. Joseph River at Benton Harbor and St. Joseph, consisting of one swing-span, 200 ft. long, two approach spans, 56 ft. long; roadway 32 ft., walks 7 ft., at $57,000, exclusive of electric equipment and paving of creosoted timber, etc., for which $4,000 is allowed. Bids were opened on May 21. J. W. Pearl, Benton Harbor is Engr.

UNION CITY, MICH.—WYNCOOP & McGORMLEY, of Toledo, Ohio, were awarded the contract on May 26 by the city for the construction of a bridge across the St. Joseph River on Broadway at $8,692.

*CHICAGO, ILL.—We are officially advised that date for receiving bids has been postponed by the Board of Trustees of the Sanitary District for the equipment of the 8-track bridge at Campbell Ave., from May 27 until some time in the near future. The bridge consists of four parallel-double-track-through-arch spans of two leaves each. The Board, upon the report of the Chief Engineer that it would be less costly, has decided to investigate the advisability of substituting four single-leaf superstructures for the present double-leaf bridge, and plans are now being perfected with this end in view, and will be submitted to the Committee on Engineering of the Board for consideration on June 15. Isham Randolph is Ch. Engr.; Isaac J. Bryan, Clerk.

CHICAGO, ILL.—Plans for the construction of a $275,000 bascule bridge to replace the Erie St. bridge, which collapsed last week, were begun on May 23. A fund of $100,000 was transferred from the Orleans St. bridge account on May 22 by the City Council Finance Committee to cover the cost of work on plans and abutments. It is expected that the work of construction will take about two years.

FOREST PARK, ILL.—Westcott & Ronneberg, Consulting Engrs., 188 Madison St., Chicago, Ill., are preparing plans for the construction of a bridge over the Des Plaines River at Forest Park for the Forest Park Cemetery Co. The structure will be 124 ft. long, 11 ft. wide, of steel, with concrete abutments.

RED WING, MINN.—Bids are asked until 2 p. m., June 17 by the Board of County Commissioners for constructing a bridge across Bullard Creek, town of Hay Creek, about five miles east of here. The bridge will consist of a steel riveted span 60 ft. long, with reinforced concrete and gravel floor, supported on two rubble concrete abutments. Carl N. Lien is County Audr.

SOUTH HEART, N. DAK.—Bids are asked until June 23 by J. S. White, County Audr., Dickinson, N. Dak., for constructing a steel bridge, 60-ft. span, steel legs, 16-ft. roadway, over Heart River, near here.

ATOKA, OKLA.—The County Commissioners have voted to have three bridges constructed, one across Gaines Creek to cost $5,000, one across Brushy Creek to cost $4,000, and the other across Boggy Creek four miles west of Kiowa, Okla., to cost $4,000. Joseph Tanneyhill is Chn. County Comrs.

SULTAN, WASH.—The contract for the construction of the bridge across the Skykomish River here has been let to CHARLES G. SHEELEY, 219 McPhee Bldg., Denver, Colo., at $7,887. Other bidders were: Northwest Bridge Co., Tacoma, Wash., $8,361; The Denver Bridge Co., Denver, Colo., $9,383; Minneapolis Steel & Machine Co., $9,583; I. J. Bailey & Co., Wenatchee, Wash., $10,970; Columbia Bridge Co., Walla Walla, Wash., $9,984; J. W. Quigg, Wenatchee, Wash., $11,293; Inter-Mountain Construction Co., Tecumseh, Nebraska and Ontario, Ore., $9,960; Puget Sound Bridge & Dredging Co., Seattle, Wash., $9,390; Everett Construction Co., Everett, Wash., $11,993; Burrell Bridge & Construction Co., Seattle, Wash., $15,340; International Contract Co., Seattle, Wash., $9,870; Jones Construction Co., Seattle, Wash., $13,590.

OGDEN, UTAH.—WILLIAM DOYLE, of Ogden, was awarded the contract on May 25 by the City Council for the construction of a reinforced concrete arch of 65 ft. span across the Ogden River, at $4,742. A. F. Parker is City Engr. List of bidders noted on May 28.

IDAHO CITY, IDAHO.—The MINNEAPOLIS STEEL & MACHINE CO., Minneapolis, Minn., has been awarded the contract by the County Commissioners for the construction of a 250-ft. steel bridge across the Payette River at Smith Ferry, at $6,450. Other bidders were: Inter-mountain Bridge & Construction Co., three 80-ft. spans, steel tubes, $5,997; two 120-ft. spans, steel tubes, $6,973; two 125-ft. spans, steel tubes, $8,498; piling approaches, $4.74 per lin. ft.; Denver Bridge Co., Plan A., one 250-ft. span, $10,900; plan B, two 125-ft. spans, $7,987; J. H. Forbes, Ltd., Plan A, three 85-ft. spans, $5,486; Plan B, three 85-ft. spans, $5,786; Plan C, three 85-ft. spans, $6,238; Plan D, two 126-ft. spans, $6,261; Plan E, two 126-ft. spans, $6,799; spiling in tubes, 40 cts. per lin. ft. each spile; Charles F. Sheely, two 125-ft. spans, $7,789; spiling approaches, $4.45 per lin. ft.; spiling in tubes, 75 cts. per lin. ft.

CLIFFORD, ONT.—Bids are asked by Bowman & Connor, Consulting Engrs., Berlin, Ont., until June 16, for constructing two concrete bridges near this town, on the county line between Grey and Wellington Counties.

NEW HAMBURG, ONT.—FRAZER & CLEMENS, of New Hamburg, have been awarded the contract for concrete culverts, abutments and arch bridges on the Toronto & Northern Ontario Ry., at $70,000.

GUELPH, ONT.—The contract for the construction of a bridge on Eramosa road has been awarded to the WESTERN BRIDGE & EQUIPMENT CO., at $6,400 for steel superstructure. The other tenders were as follows: Conn & Co., $9,505 for reinforced concrete; J. A. Legrand, $9,732 for reinforced concrete; Jenks-Dressel Co., Sarnia, Ont., $8,670; Ontario Bridge Co., $8,350; Stratford Bridge & Iron Co., $9,500.

VANCOUVER, B. C.—THE DOMINION BRIDGE CO., Liverpool and London and Globe Bldg., Montreal, Que., has been awarded the contract for the superstructures of the bridges across False Creek at Granville St. and Westminster Ave., at $369,279. Other bidders were: Cleveland Bridge & Engineering Co., Darlington, England, $473,134; Canadian Bridge Co., $399,981; Midland Bridge Co., Kansas City, Mo., $444,886; Modern Steel Structural Co., Waukesha, Wis., $388,708; Strobel Construction Co., Chicago, Ill., $585,890; McClintic & Marshall Construction Co., Pittsburg, Pa., $396,302.

BUILDINGS.

(denotes that this work is advertised in Engineering News.)*

AUBURN, ME.—Bids are asked until 3 p. m., July 20, by James Knox Taylor, Superv. Arch., Treasury Dept., Washington, D. C., for the construction (including plumbing, gas piping, heating apparatus, electric conduits and wiring) of the U. S. post-office at Auburn.

BOSTON, MASS.—See under Railways.—"Boston & Albany."

CLINTON, MASS.—Plans have been completed by Peabody & Stearns, Archs., Exchange Bldg., Boston, Mass., for a town hall to cost about $150,000.

CAMBRIDGE, MASS.—The plans of Charles R. Greco for the proposed hospital for dangerous diseases, have been accepted by the Board of Health. Estimated cost, $100,000. Dr. C. H. Thomas is Chn. Bd.

SPRINGFIELD, MASS.—Plans have been completed and the contract awarded to W. H. FALVEY & SON, 346 Liberty St., Springfield, for an 8-story block to be built for the heirs of Levi Hitchcock by Charles H. Barrows, Trustee. E. C. & G. C. Gardner, Archs., 33 Lyman St., Springfield, designed the building, which will cost about $125,000. This block will be built at 318 Main St.

NEW BEDFORD, MASS.—Plans are being prepared by Samuel C. Hunt, Odd Fellows' Bldg., New Bedford, for a fireproof building to be built here for the County of Bristol. It will be used for registry of deeds. An appropriation of $200,000 has been made. Bids will be received in about six weeks.

PROVIDENCE, R. I.—Plans for the 250,000 John Hay Memorial Library, to be erected for Brown University at the corner of College and Prospect Sts., have been officially accepted by the Advisory and Executive Committee. The building will have a frontage of 121 ft. 6 ins. on Prospect St., with the main entrance and will extend 103 ft. on College St. Shepley, Rutan & Coolidge, Ames Bldg., Boston, Mass., are Archs.

MERIDEN, CONN.—Bids will be received by the Armory Commission, Capitol, Hartford, until noon, June 16, for plumbing, heating, and electrical work at the State Armory, Meriden, Conn. Charles S. Palmer, 4 West Main St., Meriden, is Arch.

NEW LONDON, CONN.—Bids are asked by the Quartermaster, U. S. Marine Corps, until 11 a. m., June 25, for repairs and improvements to buildings belonging to the Marine Corps at Naval Station, New London, Conn. James Sweeney, 140 State St., New London, Conn., is Arch.

NEW BRITAIN, CONN.—James Knox Taylor, Superv. Arch., Treasury Dept., Washington, D. C., has awarded to F. T. NESBIT & CO., INC., 116 Nassau St., New York, contract for the construction of a post-office at New Britain, Conn., at $89,850. Time, June 18, 1909. Noted on May 21.

ASTORIA (L. I.), N. Y.—Plans are being prepared by Herrmann Horenburger, 682 East 159th St., New York, for a 6-story bank, office and lodge building to be built here at a cost of $180,000.

BUFFALO, N. Y.—We are officially advised that George F. Newton, Arch., 6 Beacon St., Boston, Mass., will have plans ready for estimates about July 1 for a hospital and nurses' home for the Halmaman Hospital Society, Buffalo. There will be three buildings of reinforced concrete, which will cost $125,000.

Richard M. Upjohn, Arch., New York, N. Y., has been retained to prepare plans for a 1-story and basement church for St. John's Episcopal congregation, Rev. Walter R. Lord, Buffalo, Rector. Cost, $125,000.

CANANDAIGUA, N. Y.—The Board of County Supervisors is considering the plans of J. Foster Warner, Granite Bldg., Rochester, for remodeling the court-house. The Building Committee will ask bids for the work soon. Cost, $120,000.

NEW YORK, N. Y.—Bids were received on June 1, by Robert W. Hebberd, Comr. of Public Charities, for erection and entire completion (with the exception of fitting up) of a new Pathological building at the Kings County Hospital, Boro. of Brooklyn. We are officially advised that the contract has been awarded to DANIEL J. RYAN, 723 Third Ave., Brooklyn, at $26,285.

Bids are asked by John F. Ahearn, Pres. Boro. of Manhattan, until 2 p. m., June 17, for repairs and alterations to City Court-house (Brownstone building), City Hall Park, Chambers St.

The only bids received by Bird S. Coler, Pres. Boro. of Brooklyn, for alterations, improvements and additions to the Kings County Court-house building, situated at the junction of Joralemon and Fulton Sts., Boro. of Brooklyn, the City of New York, were submitted by the P. J. Carlin Construction Co., 16 East 23d St., at $699,980, and Clarke & Stowe, 221 Greenpoint Ave., Brooklyn, $643,000. Both bids have been rejected.

Bids are asked until 2.30 p. m., June 18, by Robert W. Hebberd, Comr. Public Charities, for the excavation, masonry, roofing and metal work, carpentry, electric work, heating work, plumbing work and all other work (except certain kitchen, sterilizing and lighting fixtures and refrigerators), as set forth in the drawings and specifications for the construction and entire completion of a hospital pavilion in connection with the Home for the Aged and Infirm, Blackwells Island, the City of New York.

NEW YORK, N. Y.—The following bids were received on June 8 by C. B. J. Snyder, Supt. of School Bldgs., Dept. of Education, for installing heating and ventilating apparatus for additions to and alterations in Public School No. 75, on the corner of Evergreen Ave. and Grove St., Boro. of Brooklyn: E. Rutzler & Co., 127 White St., $55,000; Gillis & Geoghagan, 537 West Broadway, $52,182; Frank Dobson Co., Inc., 519 East 53d St., $53,662; James Curran Mfg. Co., 512 West 36th St., $50,400; Blake & Williams, 211 West 20th St., $55,784; William C. Ormonde, 909 President St., Brooklyn, $47,594.

Bids were received as follows at the same time for the general construction, etc., of new Public School No. 163, on the south side of Benson Ave., between Bay 14th St. and 17th Ave., Boro. of Brooklyn: Peter Guthy, 924 Broadway, Brooklyn, $199,877; William Werner, 892 Forest Ave., $206,775; John F. Reilly, 601 East 132d St., $197,000; Harry Berry & Co., 101 West 66th St., $194,614; **George F. Driscoll, 548 Union St., Brooklyn, $195,948; Peter Gallagher, 1181 Broadway, $209,900; Thomas McKeown, 512 West 110th St., $204,433; John Auer & Son, 648 Lexington Ave., Brooklyn, $193,275; James McArthur, 22 Ormonde Pl., Brooklyn, $194,321; Botteford-Dickinson Co., 1133 Broadway, $191,946; Clarke & Stowe, 221 Greenpoint Ave., Brooklyn, $193,600; William J. Moran, 136 Broadway, Brooklyn, $199,035.**

The following bids were received at the same time and place for the general construction, etc. of two additional stories to Public School No. 132, on the east side of Wadsworth Ave., between West 182d and 183d Sts., Boro. of Manhattan: J. & L. Moreland Co., 1910 Park Ave., $64,745; P. J. Brennan & Son, Fuller Bldg., $65,000; Thos. Cockerill & Son, 147 Columbus Ave., $67.110; R. E. Henningham, 1 Madison Ave., $65,000; Patrick Sullivan, 230 Grand St., $65,350; Harry Berry & Co., 101 West 66th St., $69,682; William Werner, 892 Forest Ave., $69,813; Thomas McKeown, 512 West 110th St., $65,777; George Hilderbrand, 38 Park Row, $64,880; Guidone & Gilardi, 1 Madison Ave., $55,468; Orman & O'Brien, $62,927.

NEW YORK, N. Y.—The ANDREW J. ROBINSON CO., 123 East 23d St., advises us that it has general contract to construct 5 and 7-story brick and stone educational and dormitory buildings at Broadway, Claremont Ave. and 120th and 122d Sts., for the Union Theological Seminary, 700 Park Ave., and sub-contracts will be let soon. Estimated cost, $700,000. Allen & Collens, 1170 Broadway, are Archs.

We are officially advised that estimates are being received for constructing an 8-story brick and stone store building, 28 × 110 ft., to be erected at 518 Fifth Ave., for C. G. Gunthers Sons, 184 Fifth Ave. The structure will cost $75,000. James J. F. Gavigan, 1123 Broadway, are Archs.

H. S. Thompson, 76 William St., New York, Pres. of the Golden Hill Building Co., advises us that the company has let general contract to the WHITNEY STEEN CO., 135 Broadway, for a 25-story building to be built at 59 to 65 John St. and 111 to 121 William St. Augustus D. Shepard, Jr., 36 East 23d St., is Arch.

NEW YORK, N. Y.—Bids are asked by C. B. J. Snyder, Supt. School Bldgs., Dept. of Education, until 11 a. m., June 22, for installing heating and ventilating apparatus in additions to and alterations in Public School No. 64, on Belmont Ave., Berriman and Atkins Sts., Boro. of Brooklyn; for the general construction, etc., of an 8-classroom temporary building at Public School No. 131, Fort Hamilton Ave., 43d and 44th Sts., Boro. of Brooklyn; for the general construction, etc., of new Public School No. 164, on the westerly side of 14th Ave., between 42d and 43d Sts., Boro. of Brooklyn; for repairs to heating and ventilating apparatus of Public Schools Nos. 1, 2, 13, 20, 21, 34, 38, 62, 75, 88, 106, 147, 160, 177 and 180, Boro. of Manhattan; for repairs to heating and ventilating apparatus of Public Schools Nos. 6, 40, 50, 77, 122 and 135, Washington Irving High School and Stuyvesant High School, Boro. of Manhattan; for new fireproof main stairs at Public Schools Nos. 14, 22, 25, 55, 58, 68 and 69, Boro. of Manhattan; for alterations, repairs, etc., for Public Schools Nos. 24, 30, 37, 39, 57, 68, 72, 78, 83, 89, 103, 109, 119, 150, 151, 159, 168, 171 and 172, Boro. of Manhattan; for installing heating and ventilating apparatus in New Public School No. 100, on 138th and 139th Sts., about 100 ft. west of Fifth Ave., Boro. of Manhattan.

Bids are asked by C. B. J. Snyder, Supt. School Bldgs., until 11 a. m., June 15, for alterations, repairs, etc., to Public School No. 20, corner of Sanford Ave. and Union St., Flushing, Boro. of Queens; for alterations, repairs, etc., to Public Schools Nos. 28, 29, 30, 32 and 79, Boro. of Queens.

SCHENECTADY, N. Y.—We are officially advised that the following bids were received by the Board of Contract and Supply, Schenectady, N. Y., on June 3, for the work of constructing a 16-room school building at Albany and Robinson Sts., the work including the carpentry and masonry; Anker & Corneau, Schenectady, N. Y., $68,000; Lewis & Burroughs, Schenectady, N. Y., $62,987; John McDermott, Schenectady, $66,900; H. Bennett, Schenectady, N. Y., $62,423; John Turner, Amsterdam, N. Y., $63,240; Hanrahan Bros., Schenectady, $62,460; Brown & Lowe, Schenectady, $63,953; Raymond M. Booth, Troy, N. Y., $60.900. The contract was awarded to RAYMOND M. BOOTH, Harmony Hall Bldg., Troy, N. Y., for $60,900. Bids received for the plumbing work in the building were: W. B. Armstrong, Albany, N. Y., $16,150; E. W. Hollister, Schenectady, $15.780; Stevenson Bros., Schenectady, $15,473. The contract was awarded to STEVENSON BROS., Schenectady, N. Y., for $15,473.

Bids were received for the construction of an 8-room school building at corner of Eleanor and Perry Sts., and the contract was awarded to RAYMOND M. BOOTH, of Troy, N. Y., for $29,982. The bids received for the plumbing work were: W. B. Armstrong, Albany, $9,990; W. R. Stevenson, Schenectady, $10,450; D. H. Williams & Co., Schenectady, $10,665; Thomas MacGregor, Schenectady, $10,790. The contract was awarded to W. B. ARMSTRONG, of Albany, for $9,990. Harry F. Miller is Secy. of the Bd.

Stoddart & Weathers, Archs., 33 East 17th St., New York, advise us that they have been selected to prepare plans for a court-house to be built at Schenectady, costing $500,000. The structure will have three stories and basement, will be 110 × 150 ft., and will be of fireproof construction.

SYRACUSE, N. Y.—Plans are being prepared for a block, 125 × 125 ft., to be built on South Salina St., by Arthur R. Peck., White Memorial Bldg., and Charles M. Warner, 438 South Salina St. B. W. Morris, 5 West 31st St., New York, is Arch. Cost, $100,000.

TROY, N. Y.—Esenwein & Johnson, Archs., 777 Ellicott Sq., Buffalo, have let general contact to CASEY BROS., Troy, for a 4-story and basement convent and dormitory for the **House of the Good Shepherd, Troy. Cost, $75,000.**

NEWARK, N. Y.—Bids are asked by Benjamin B. Chace, Secy. of Bd. of Mgrs., Newark, N. Y., until 10 a. m., July 7, for alterations, repairs, plumbing and rearrangement of steam and water piping in Cottages E and F; and also, bids for constructing a sewage disposal plant at the New York State Custodial Asylum, at Newark, N. Y. Plans and specifications prepared by F. B. Ware, State Arch., Albany, N. Y.

ROSELLE (Elizabeth post-office), N. J.—Bids are asked by the Board of Education until 8 p. m., June 20, for constructing a school building, 140 × 72 ft., three stories and basement, with brick exterior and stone or terra-cotta trimmings. The interior construction will be of reinforced concrete, with independent brick walls. Bids will be received for concrete work, masonry, carpenter and painting and plumbing work and electrical work. Pierce & Bickford, Elmira, N. Y., are Archs.; Robert Gordon is Chn. Bldg. Com., 406 Westfield Ave. West, Roselle Park, N. J. J. Wallace Higgins is District Clerk.

ATLANTIC CITY, N. J.—THOMPSON & STILES, 1524 Pacific St., Atlantic City, have been awarded contract by Horace Trumbauer, Arch., Land Title Bldg., Philadelphia, Pa., for a 3-story Y. M. C. A. building, to be built here. Estimated cost, $100,000. D. S. White is Chn. Com.

MONTCLAIR, N. J.—Hale & Rogers, Archs., 11 East 24th St., New York, N. Y., will let contracts about June 15 for constructing a 2-story and basement 20-room school for the Montclair Board of Education. The school will cost $200,000.

PATERSON, N. J.—The Directors of the Paterson Orphan Asylum Association have decided to proceed with the erection of the administration building of the proposed orphanage, the cost of which is to be about $100,000. Two wings are to be erected later, the cost of these to be $50,000 additional. Samuel Rogers and Charles Edwards, Market and Main Sts., are Archs.

GREENSBURG, PA.—The McCORMICK LUMBER CO., of Fairchance, Pa., has been awarded a contract for erection of two school buildings, with a total cost of $75,000.

PHILADELPHIA, PA.—Contract has been let by Philip H. Johnson, Arch., Land Title Bldg., to JOHN R. WIGGINS & CO., Heed Bldg., for a 2-story addition to the Municipal Hospital for the city. Cost, $125,000.

The University of Pennsylvania has had plans prepared by Brockie & Hastings, Archs., 328 Chestnut St., for alterations and additions to the 5-story hospital of the University. The work will cost $100,000.

Frank Miles Day & Bro., Archs., 925 Chestnut St., have been selected to prepare plans for a residence to be built at the corner of 17th and Locust Sts., for Mrs. Charlton Yarnall. The house will be four stories high, with an exterior designed in the English style, and will measure 38 × 100 ft. The cost will be about $55,000.

Plans are being prepared by Magaziner & Potter, Archs., for a 6-story store to be erected for Markovitz Bros., 323 Market St., at a cost of about $150,000. The building will be of brick and reinforced concrete, fireproof construction, 50 × 300 ft. in dimensions. Estimates will be taken at once.

PITTSBURG, PA.—Palmer & Hornbostel, Archs., 63 William St., New York, N. Y., advise us that they have invited bids for the proposed School of Mines Building for the Western University of Pennsylvania, S. B. Linhart, Secy. Bldg. Com., Home Trust Bldg., Pittsburg. The structure will be L-shaped, four stories high, of brick, terra cotta and stone construction. It will face 85 ft. on Bayard St. and 132 ft. on Parkman Ave.

We are advised by J. L. Beatty, Arch., 146 Sixth St., Pittsburg, that he is preparing plans for three 6-story hospital buildings, to be built by the West Pennsylvania Hospital Association. The buildings will have an irregular shape, about 225 x 320 ft. and will be fireproof. They will cost about $600,000. Bids will be received in about two months.

PITTSBURG, PA.—Crosby & Stewart, Archs., South Main St. and Wabash Ave., West End, Pittsburg, have presented plans for an auditorium building to the Chamber of Commerce, for approval. It is proposed to locate the structure, which is estimated to cost $1,000,000, on the public squares at Ohio and Federal Sts., on which are now the North Side City Hall and the Ober fountain. It will contain a market and an auditorium capable of seating 22,000. As planned, the first floor of the building will be divided into two sections by Ohio St. Each section will have a frontage of 188 ft. on Federal St. and West Diamond St. and 172 ft. on Ohio St. and North and South Diamond Sts. On either side of the Building, extending to the roof, will be a light shaft 34 × 94 ft. The second floor has a frontage of 188 ft. facing Federal St., on either side of the arch, extends back an average of 24 ft. and is 16 ft. high throughout. It has a frontage of 122 ft. on South Diamond, Ohio and North Diamond Sts. Each section of the second floor is provided with a 10-ft. hallway around the entire section. On these floors, as on the third floor, there will be lobbies. Entrance to all rooms will be from the main halls and all rooms but four will be provided with light from the outside. These four rooms are intended for storage. Fireproofing will be used throughout the building. The floor of the market proper will be concrete and tile; the lobbies will be furnished in marble throughout. The outside walls are to be finished in Indiana limestone, backed with brick or terra cotta.

Herbert L. May, of the May Drug Co., Fifth Ave. and Market St., intends to erect a 12-story structure at Liberty and Fifth Aves. It will cost $200,000, and is to be erected immediately.

F. J. Osterling, Arch., 336 Fourth Ave., has been commissioned by the Central Board of Education to prepare plans for the Central High School building. Estimated cost, $500,000.

BALTIMORE, MD.—We are officially advised that the Medical and Chirurgical Faculty of Maryland, Dr. Brice W. Goldsborough, Pres., 847 Hamilton Terrace, has had plans prepared by Ellicott & Emmart, Union Trust Bldg., Baltimore, for a library and public-health institute to be erected on Cathedral St. Cost, $60,000. Bids will be received in about six weeks.

Theodore Wells Pietsch, Arch., American Bldg., Baltimore, advises us that bids will be received early in July for stone fire-proof additions to the Baltimore city jail. The cost, including equipment, will be $150,000.

*WASHINGTON, D. C.—Bids are asked by Frank Pierce, Acting Secy., Dept. of the Interior, Washington, until 2 p. m., June 22, for remodeling plumbing of the Government Hospital for the Insane.

WASHINGTON, D. C.—Harry Wardman, 1333 G St., N. W., contemplates erecting six 3-story apartment houses at 25[illegible] to 2550 14th St. N. W. and two at 1419 to 1421 Clifton St. N. W. Estimated cost, $[illegible]. A. H. Beers, 1333 G St. N. W., is Arch.

Bernard R. Green, Supt. of Construction, New Museum Building, Washington, D. C., has awarded as follows contracts for installing elevators in the building: KAESTNER & CO., 241 South Jefferson St., Chicago, Ill., one house electric elevator at $2,300, and to OTIS ELEVATOR CO., 17 Battery Pl., New York, four electric passenger elevators, at $18,645, and for two freight elevators at $10,865.

Bids are asked until 2 p. m., July 2, by Frank Pierce, Acting Secy., Dept. of the Interior, Washington, for erecting an assembly hall at the Government Hospital for the Insane.

Elliott Woods, Supt. of the U. S. Capitol Building and Grounds, Washington, D. C., has awarded contract for the plain and ornamental plastering of the new Senate Office Building, Washington, D. C., to McNULTY BROS., 549 West 52d St., New York, at $115,000. Also for the installation of eight elevators in the same building to OTIS ELEVATOR CO., 17 Battery Pl., New York, at $56,870.

COLUMBIA, S. C.—Bids are asked until July 15, for construction of building for the University of South Carolina, Columbia. Plans are being prepared by Wilson, Sompayrac & Urquhart, Archs., Columbia, and will be ready for bidders on June 15. The University intends to build 25 buildings, eventually, costing $1,500,000. Benjamin Sloan is Pres.

SPARTANBURG, S. C.—W. E. Burnett, J. W. Alexander and others, of this city, are interested in erecting a hotel here to cost $200,000.

COLUMBIA, S. C.—Wilson, Sompayrac & Urquhart, Archs., 1302 Main St., Columbia, have plans for about 25 buildings for the University of South Carolina, to cost $1,500,000.

*VALDOSTA, GA.—Bids are asked by James Knox Taylor, Superv. Arch., Treasury Dept., Washington, D. C., until 3 p. m., July 15, for the construction complete (except elevator) of the U. S. post-office and court-house at Valdosta.

JACKSONVILLE, FLA.—Mowbray & Uffinger, Archs., 92 Liberty St., New York, advise us that they are preparing plans for a 12-story bank and office building for the Atlantic National Bank, Jacksonville, to cost $200,000. The building will be 52 x 105 ft., fireproof, of marble and enamel brick construction. Bids will be received about June 23.

VICKSBURG, MISS.—Bids are asked until June 22, by Rev. T. D. Bratton, Bishop of Mississippi, Chn. Bldg. Com. of Diocesan School, at the office of De Buys, Churchill & Labouisse, Archs., Hibernia Bank Bldg., New Orleans, La., for construction of a diocesan school to be built at Vicksburg.

*PARIS, TENN.—Bids are asked by James Knox Taylor, Superv. Arch., Treasury Dept., Washington, D. C., until 3 p. m., July 22, for the construction (including plumbing, gas-piping, heating apparatus, electric conduits and wiring) of the U. S. post-office, at Paris.

MEMPHIS, TENN.—The Central Warehouse & Elevator Co., controlled by Jones & Rodgers, will rebuild warehouse and grain elevator recently burned. Loss, about $110,000. T. B. Jones is Pres.

COVINGTON, KY.—Plans have been completed by David Davis, Arch., 41 East Fourth St., Cincinnati, Ohio, for the front and towers for St. Mary's Cathedral, Covington. Estimated cost, $100,000.

YOUNGSTOWN, OHIO.—Caldwell & Drake, general contractors for constructing the court-house, have let a contract for all the iron and steel to be used in the building to the YOUNGSTOWN WIRE & IRON CO. The amount of the contract is $40,000.

COLUMBUS, OHIO.—We are officially advised that plans have been prepared by Meyer J. Sturm, 84 La Salle St., Chicago, Ill., for a 6-story hospital building, 62½ × 187½ ft., to be erected for the Grant Hospital, at a cost of $150,000. Dr. J. F. Baldwin, 125 Grant Ave., is interested. Estimates are being taken.

PAINESVILLE, OHIO.—Bids are asked until noon, June 15, by the Board of Education, 301 Main St., for enlarging and repairing the High School building. Guy Wyman is Clerk Bd. of Education.

CLEVELAND, OHIO.—Press reports state that the Brotherhood of Locomotive Engineers has decided to erect a $900,000 building at Cleveland. Two sets of plans submitted by G. F. Hammond, 734 Euclid Ave., Cleveland, have been approved by the convention, and the Advisory Board has been authorized to choose the plan most suitable and to designate the amount to be expended.

CINCINNATI, OHIO.—Plans will be prepared by Garber & Woodward, Archs., Neave Bldg., Cincinnati, for the Douglass School building for the Board of Education. J. M. Withrow, Chn. Bldg. Com. Cost, $100,000.

The Board of Education has retained Tietig & Lee, Archs., Commercial Tribune Bldg., to prepare plans for a school building for the 14th District. The building will cost $250,000.

MOUNT VERNON, OHIO.—Bids are asked until noon, June 25, by Dr. C. O. Probst, Secy. Ohio State Sanatorium Comn., State House, Columbus, Ohio, for the erection and completion of the following buildings and work at the Ohio State Sanatorium, located near Mount Vernon: Power-house and laundry, Reception Cottage "A," Reception Cottage "I," employees' building, Cottage "B," Cottage "II," superintendent's residence, heating and ventilating for administration block, heating and ventilating for kitchen and cold-storage building, terrace walls and accessories and mechanical equipment. Frank L. Packard, New Hayden Bldg., Columbus, is Arch.

MADISONVILLE (Cincinnati post-office), OHIO.—We are officially advised that the contract has been let to the COTTERAL BUILDING CO., Fifth and Main Sts., Cincinnati, by the Board of Education, for a 3-story brick school, 72 × 110 ft., with wings 42 × 110 ft. Cost, $100,000. J. F. Klein is Clerk; Bausmith & Drainie, Johnston Bldg., Cincinnati, are Archs.

FORT WAYNE, IND.—We are officially advised that Mahurine & Mahurine, Archs., have prepared plans for a 3-story lodge building, to be built here for the Scottish Rite Masons. Bids will be received in about ten days. Cost, $100,000. W. W. Rockhill is Secy. Bldg. Com.

EVANSVILLE, IND.—We are officially advised that the Furniture Manufacturers' Building Co. will receive estimates soon for constructing a 6-story fireproof brick, steel and concrete office building here. The structure will measure 75 × 150 ft. and will cost $100,000. It will contain elevators and power and lighting plant. Harris & Shopbell, 123 Fourth St., Evansville, are Archs.

LAPORTE, IND.—The County Commissioners of Laporte have decided to erect a jail to cost $70,000. The building will be fireproof and will have two stories. Foltz & Parker, Union Trust Bldg., Indianapolis, Ind., are Archs.

TERRE HAUTE, IND.—T. C. Buntin has ordered plans upon which to ask for bids for the construction of a 10-story hotel on the site of the Buntin House.

INDIANAPOLIS, IND.—The Trustees of the Third Christian Church are preparing to ask for bids for the erection of a $75,000 building on Ashland Ave.

Bids are asked by the School Commissioners until noon, June 26, for erection of an addition to the Manual Training School building, including plumbing, sewering, ventilating and heating systems. John E. Cleland is Business Dir.

Bids are asked by W. B. West, Trustee, Center Township, until 2 p. m., June 25, for the construction of a school house at McLainesville.

BROAD RIPPLE, IND.—Bids are asked by the Advisory Board, Washington Township, until 11 a. m., June 23, for construction of a brick school house at the corner of Central Ave. and 46th St.

*COLDWATER, MICH.—Bids are asked by James Knox Taylor, Superv. Arch., Treasury Dept., Washington, D. C., until 3 p. m., July 21, for the construction (including plumbing, gas piping, heating apparatus, electric conduits and wiring), of the U. S. post-office at Coldwater.

DETROIT, MICH.—Bids are asked until 10 a. m., June 13, by the Commissioner of Police for constructing and erecting a brick barn for the present station situated on the corner of McClellan and Vincennes Aves. Louis Kamper, Fine Arts Bldg., is Arch. Charles A. Nichols is Secy.

Bids were received as follows June 3 at the office of James Knox Taylor, Superv. Arch., Treasury Dept., Washington, D. C., for the construction of an extension to the post-office building at Detroit, Mich.: Ambrose B. Stannard, St. James Bldg., New York, $286,588; Vinton Co., Woodbridge and Beaubien Sts., Detroit, Mich., $295,900; Barnes Bros., Hamilton, Ohio, $298.000; W. H. Fissell & Co., 1133 Broadway, New York, $333,746; Northern Construction Co., Milwaukee, Wis., $289,000; Charles Hoertz & Son, Grand Rapids, Mich., $313,000; Paul Riesen's Sons Co., Milwaukee, Wis., $297,000; Conners Bros. Co., Lowell, Mass., $276,000. Time to complete, July 1, 1910.

CHICAGO, ILL.—Bids are asked by James Knox Taylor, Superv. Arch., Treasury Dept., Washington, D. C., until 3 p. m., July 10, for the installation of a vacuum cleaning system for the U. S. post-office, court-house, etc., building at Chicago, Ill.

The Chicago Dock & Canal Co. will erect a warehouse for the Furniture Exhibition Co., 1411 Michigan Ave. A 6-story building 500 ft. long and 122 ft. deep will be built at once, the cost of which will be $500,000. It is in addition to the company's present warehouse and will give it a total frontage of 1,234 ft., with a dock on one side and three railroads on the other. Eugene H. Fishburn is Pres. Chicago Dock & Canal Co.; J. A. Pugh is Pres. Furniture Exhibition Co.

C. A. Eckstorm, Arch., Tacoma Bldg., is preparing plans for a theater and office building, to be built on Michigan Ave. for James O. Heyworth, Railway Exchange Bldg. Cost, $500,000.

CHICAGO, ILL.—Holabird & Roche, 100 Jackson Boulevard, have been retained, to prepare plans for a 5-story addition to the Republic Bldg., at the corner of State and Adams Sts., for Gordon Strong, Republic Bldg. The structure will be built of steel, hollow tile, enameled brick and white glazed terra cotta, 90 × 150 ft. Cost, $300,000.

BLUE ISLAND, ILL.—Preliminary plans for proposed Cook County Infirmary to be erected at Blue Island at a cost of $1,000,000 will be submitted to the President and members of the County Board, 218 La Salle St., Chicago, Ill., for inspection in a few days.

MILWAUKEE, WIS.—Plans are being completed by Esenwein & Johnson, Archs., 777 Ellicott Sq., Buffalo, N. Y., for the 3-story and basement Providence Retreat House of the Good Shepherd, Milwaukee. Cost, $350,000.

IOWA CITY, IOWA.—Proudfoot & Bird, Archs., Crocker Bldg., Des Moines, Iowa, advise us that the Board of Regents of the State University of Iowa has approved the plans for a $150,000 Law Building, and work will be begun on the new structure as soon as bids can be received. The building will be three stories high, 60 × 130 ft. Bids will be received in July. George E. McLean is Pres.

ST. PAUL, MINN.—Plans have been drawn for the construction of a 9-story building on the foundation of the present Lowry Arcade. The building will extend from Fourth to Fifth Sts. on St. Peter St. and about 80 ft. toward Wabasha St. It will be fitted for offices above the first floor, which will be rented for small stores as at present. The present building will be torn down and the new structure erected at a cost of $200,000. A. C. Maxfield, Lowry Arcade, is Agent.

ST. PAUL, MINN.—We are officially advised that Macalester College, St. Paul, T. M. Hodgman, Pres., will erect a building containing science hall, laboratory and gymnasium on the college grounds this year. It will be three stories high, of pressed brick and cut stone construction, fireproof, having steam heating and electric lighting. Cost, $60,000. Bids will be received in July. Noted on May 7.

The Masonic Temple Association is having preliminary plans prepared by Buechner & Orth, Manhattan Block, St. Paul, for a 3-story and basement Masonic Temple, to be built by the Masonic Temple Association, T. I. Whitney, Secy. Cost, $100,000.

HIBBING, MINN.—The City Council has engaged Radcliffe & Price, Archs., 602 Palladio Bldg., Duluth, to design the city hall to be built this year. Bids will be invited for the work as soon as the plans and specifications can be prepared. The proposed building will be three stories in height, covering 75 × 110 ft., on Second Ave. and Center St. The first and second floors will be used by the city officials, the fire department, council, municipal court, city jail, etc., and the third floor will be devoted exclusively to a militia company. The estimated cost of the structure is $100,000.

FORT RILEY, KAN.—Bids are asked until 10 a. m., June 18, by Capt. W. M. Whitman, Constr. Q. M., for construction, plumbing, heating, wiring and installation of electric fixtures in one artillery guard house and alterations of construction, plumbing and wiring in nine artillery stables.

BEATRICE, NEB.—Bids are asked until noon, June 25, by W. W. Duncan, Chn. Com. on Grounds and Bldgs., for erecting a high school building. R. W. Grant, Beatrice, is Arch.

FORT D. A. RUSSELL, WYO.—W. W. & G. S. ATKINSON, of Colorado Springs, have been awarded contract to construct a number of buildings at this post. The cost amounts to about $500,000. Work will begin at once.

MISSOULA, MONT.—The following bids were received by the County Commissioners for constructing a court-house here: W. E. Walsh, stone, $168,324; stone and terra cotta, $158,774; terra cotta, $172,704. Gagnon & Co., stone, $169,514; stone and terra cotta, $153,670; terra cotta, $169,514. W. J. Hoy, stone, $173,500; stone and terra cotta, $167,228; terra cotta, $174,080. J. L. Chevigny, stone, $177,890; stone and terra cotta, $168,707; brick and terra cotta, $175,290; terra cotta, $177,890. The Oliver Building Co., stone, $189,600; stone and terra cotta, $164,488; brick and terra cotta, $166,714; terra cotta, $168,714. Olson & Johnson, stone, $189,940; stone and terra cotta, $174,190; brick and terra cotta, $176,690; terra cotta, $185,650. Charles Jasper, stone, $212,190; stone and terra cotta, $200,834; terra cotta, $196,000.

ST. JOSEPH, MO.—The city has voted to issue $500,000 of bonds for erecting new and and improving old school buildings. Harry H. Smith is Supt. of Bldgs.

ST. LOUIS, MO.—Work will begin within 30 days on a theater to cost $200,000. The structure probably will be built at the corner of Broadway and Market St. The building will have a seating capacity of 2,500. Isaac Taylor, 715 Locust St., is Arch. Frank L. Talbot is interested.

Plans are being prepared by Eames & Young, Chestnut and Seventh Sts., for a bank building for the Peoples' United States Bank, E. G. Lewis, Pres. Cost, $200,000.

The Advisory Board has selected Eames & Young, Chestnut and Seventh Sts., and Mariner & La Beaume, 721 Olive St., to prepare plans for two branch libraries.

FORT WORTH, TEX.—The St. Louis Southwestern Ry. Co. of Texas will erect a freight depot and terminals at Fort Worth, it is stated, expending about $500,000. M. L. Lynch, Tyler, Tex., is Ch. Engr.

HOUSTON, TEX.—Lang & Witchell, Archs., Wilson Bldg., Dallas, Tex., are completing plans for the Harris County Court-house, and will be ready to advertise for bids about June 15. The structure will be four stories, 134 × 180 ft., fireproof, with basement of concrete to ground line, reinforced with steel bars, exterior walls of Texas granite and St. Louis hydraulic pressed brick, roof of terra-cotta tile, laid in cement, two passenger elevators and fireproof steel vault. A bond issue of $500,000 has been voted. A. E. Amerman is County Judge.

MUSKOGEE, OKLA.—The city contemplates expending between $125,000 and $150,000 for school buildings. L. E. Bennett is Mayor.

SPOKANE, WASH.—According to the Spokane "Spokesman-Review," the Board of Education has announced its intention to build a school in the Bisbee Precinct to cost $60,000. About $250,000 will be expended for schools during the year. L. L. Rand, The Rookery, Spokane, is Arch.

SAN JOSE, CAL.—Bids are asked until 11 a. m., July 6, for constructing a Hall of Justice in San Jose. Ray Walter is City Clerk.

BERKELEY, CAL.—The following contracts for the completion of the University Library building have been awarded by the Regents of the University of California. The RAYMOND GRANITE CO., Tenth and Division Sts., San Francisco, the cut stone work, $194,000; the AMERICAN BRIDGE CO., 42 Broadway, New York, N. Y., and Crocker Bldg., San Francisco, the steel work; the CONTRA COSTA CONSTRUCTION CO., the fireproofing; COUCHOT & THURSTON, 604 Mission St., San Francisco, the concrete work, and C. A. BLUME, 775 14th St., San Francisco, the steel construction. The total cost of the contracts is $325,000.

SALT LAKE CITY, UTAH.—Detailed plans for the proposed union depot of the Oregon Short Line and the Salt Lake Route have been received at the general offices of the Southern Pacific Co. here, and work upon the structure will be started at once. The plans were drawn by the Southern Pacific architect at San Francisco. The building is to be 100 ft. high, 70 ft. wide and 388 ft. long. It is to be built of red pressed brick, trimmed with white Sampete stone. On the ground floor is to be a waiting room, with a ladies' parlor at one side and a men's smoking room at the other. The baggage room is to be at the south end of the building. There will be a cafe on the ground floor and other conveniences for passengers. The second floor will be occupied by the Division Engineer and other officials of the railroad. The third floor will be divided into store rooms.

WINNIPEG, MAN.—Plans are being prepared by the School Board for four brick schools, to be erected here at a cost of $75,000 each. R. H. Smith is Secy. of School Bd., Winnipeg, Man.

PORTAGE LA PRAIRIE, MAN.—SNYDER BROS., of this town, have been awarded the contract by the Provincial Public Works Department, Winnipeg, for the erection of the training school here. Price, $67,000.

VANCOUVER.—We are advised by John S. Helger, Arch., 518 Hastings St., Vancouver, that plans are being prepared for a 13-story fireproof office building, 87 × 100 ft., to be built for the Imperial Trust Co. The structure will cost $300,000. Bids will be received in about two months. J. W. Weart is Managing Dir.

WATER SUPPLY—IRRIGATION.

(* *denotes that this work is advertised in Engineering News.*)

YONKERS, N. Y.—We are officially advised that Samuel L. Cooper, City Engr., has been authorized to prepare specifications for a suction well at the tube wells in Yonkers.

The following are the bids opened on June 1 by the Board of Contract and Supply for (a) 319 tons 30, 24, 12 and 6-in. bell and spigot pipe; (b) 27,000 lbs. of 24-in. specials; (c) 20,400 lbs. of 20 and 22-in. flanged pipe; (d) 5,600 lbs. of 20 and 22-in. flanged specials: U. S. CAST-IRON PIPE CO., 80 Broadway, New York, (a) $25.60, (b) 2½ cts., (c) 1¾ cts., (d) 4 cts. (awarded contract). Other bidders were: John Fox Co., 253 Broadway, New York, (a) $26.20, (b) 2.45 cts., (c) 1⅝ cts. 20 in., and 2⅝ cts. for 22-in., (d) 3½ cts; R. D. Wood & Co., Philadelphia, Pa., (a) $26.50, (b) 2½ cts., (c) 1.6 cts., (d) 3¾ cts.; Warren Foundry & Machine Co., Phillipsburg, N. J., (a) $26.50, (b) 2.4 cts., (c) 1.5 cts., (d) 4 cts.; Charles Millar & Son Co., Utica, N. Y., (a) $26.50, (b) 2½ cts., (c) 2 cts., (d) 4½ cts. Prices given are per ton and per pound.

SYRACUSE, N. Y.—The following bids were opened on June 1 by Frederick T. Pierson, Clk. Bd. of Contract and Supply for furnishing in whole or part the mains required in constructing the second conduit for supplying Syracuse with water from Skaneateles Lake: Warren Foundry & Machine Co., New York, first section, 1,760 tons of 42-in. pipe, $42,064; special castings, 2.4 cts per lb.; Camden Iron Works, Camden, N. J., second section, complete, $113,404; Dimmick Pipe Co., Birmingham, Ala., fourth section, complete, $105,634; U. S. Cast-Iron Pipe & Foundry Co., 80 Broadway, New York, first section, $108,797; second section, $111,974; third section, $101,721; fourth section, $140,443.

COHOES, N. Y.—The Board of Water Commissioners have decided to install a filtration plant. The filter will be of the mechanical type with a daily capacity of 10,000,000 gallons. A. T. Kniffin is Supt.

FORT HAMILTON (Brooklyn post-office), N. Y.—Plans and specifications are on file at the office of Engineering News, New York, for the construction of extensions to the water distributing system and sewerage system. Bids are asked until June 15.

ALDEN, N. Y.—Plans are being prepared for extensions to the water system, and bids will be called for at once by John Kirk, Secy. Water Bd., for a quantity of c.-i. pipe and hydrants; work will be done by day labor, in charge of the City Engineer.

BUFFALO, N. Y.—Bids have been opened by the Department of Public Works for the construction of a steel water tank to be erected at Kensington Ave. and Grider St., and for a tower to surround it, as follows: Tank—Reebes Bros.' Co., $12,150; The American Bridge Co., 42 Broadway, New York, $15,794; Farrar & Trefts, $13,830; Lake Erie Boiler Works, $14,000; Chicago Bridge & Iron Works, $15,700; Walsh's Holyoke Steam Boiler Works, $16,500; Riter, Conley Mfg. Co., (two bids) $16,970 and $13,256; Tippett & Wood, $16,990. Tower—(a) Terra cotta trimming, (b) litholitic trimming. B. I. Crooker Co., (a) $38,300, (b) $39,173; Buffalo General Bldg. Co., (a) $38,400, (b) (2 bids) $41,105 and $40,615; Metz Bros., (a) $39,264, (b) $41,335; George Schaff, (a) $40,370, (b) $41,770; Peter H. Frank, (a) $42,424; John Lannen, (a) $45,363, (b) $47,326. Francis G. Ward is Comr.

NEW YORK, N. Y.—Bids were received on June 2 by the Board of Water Supply for the construction of the Rondout siphon of the Catskill aqueduct: T. A. Gillespie Co., 90 West St., New York, $6,290,803; Bradley Construction Co., New York, $6,414,335; McArthur Bros. Co., 11 Pine St., New York, $6,419,173; Degnon Contracting Co., $6,579,410; S. Pearson & Co., $6,787,111. The GILLESPIE CO. was awarded the contract. Itemized bids for this work will be given under Contract Prices next week.

ALBANY, N. Y.—See under Light and Power Plants.

*PITTSBURG, PA.—Bids are asked until 10 a. m., June 29, by the City Controller, for the construction of filters, pipe gallery, conduits, piping, fixtures and appurtenances in O'Hara Township, Allegheny County, Pa., for the City of Pittsburg. Morris Knowles is Ch. Engr.

WASHINGTON, D. C.—See under Sewerage.

BELTON, S. C.—The city has voted to issue $25,000 of bonds for the construction of water-works.

TALLAHASSEE, FLA.—The city has voted bonds for the purchase of the water-works system or the installation of a new system, and for the extension of water mains. F. C. Gilmore is Mayor.

DRESDEN, OHIO.—The village has decided to use the well system in establishing the new water-works system; a 220,000-gallon reservoir will be constructed. Estimated cost of entire plant, $25,000.

EAST LIVERPOOL, OHIO.—Bids are asked until noon, June 18, by the Board of Public Service for furnishing labor and material for 2,560 ft. of 6-in. and 100 ft. of standard water pipe. A. S. Hughes is Asst. Clk. Bd.

MANTUA, OHIO.—NIEDERMEIER & RESTLE have been awarded the contract by the Standard Oil Co. of Youngstown, Ohio, for the erection of a pumping station at Mantua, Ohio. The station will have a reservoir of 50,000 gallons.

KNOX, IND.—The Town Board has voted to install a system of water-works.

JOLIET, ILL.—WILLIAM MORAN was awarded the contract on June 1 by the Board of Local Improvements for the construction of the Franklin and Ohio Sts. water main at $3,378. Ross & Curtis bid $3,441 for this work. Hubert A. Stevens is City Engr.

CHICAGO, ILL.—The Department of Public Works has awarded to the DARLING PUMP & MFG. CO., of Williamsport, Pa., the contract for gate valves at $12,627. The contract includes 50 4-in. valves, 300 6-in., 325 8-in. and 100 12-in. The other bids were as follows: Geo. B. Limbert & Co., $14,100; Ludlow Valve Mfg. Co., $12,982; Rensselaer Valve & Mfg. Co., $12,519; Western Tube Co., $12,112; Davies Warehouse Co., $11,293; Kennedy Valve Co., $11,180. John J. Hanberg is Comr.

BRUCE, WIS.—Bids are asked until 8 p. m., June 23, by the village for the construction of a complete water-works and electric light plant. O. Claussen, German-American Bank Bldg., St. Paul, Minn., is Engr.

SPRINGFIELD, MO.—The citizens have voted $21,000 bonds for the construction of a water supply system.

TEAGUE, TEX.—The city has voted $50,000 of bonds for the construction of a water-works system. J. W. Maxcy of Houston, Tex., is Engr.

LINDSAY, OKLA.—The city has engaged an engineer to prepare plans and specifications for the construction of a water-works system. Estimated cost, $25,000.

TULSA, OKLA.—On May 25 the citizens voted in favor of taking over the plant of the Tulsa Water Co. and making extensions to cost $80,000.

ROSWELL, N. MEX.—The FRED M. PRESCOTT STEAM PUMP CO., 60th and Greenfield Aves., Milwaukee, Wis., were awarded the contract on May 23 by the Water and Sewer Commission for a 2,000,000-gallon Corliss cross-compound condensing high-duty pumping-engine, and for a 2,000,000-gallon compound-condensing, direct-acting pumping-engine. Burns & McDonnell, Scarritt Bldg., Kansas City, Mo., are Engrs.-in-Charge.

BRIDGEPORT, WASH.—The installation of a pumping plant will be included in an irrigation project about to be undertaken by the Bridgeport Land Co., Bridgeport, Wash., incorporated with a capital of $100,000. Water for irrigation will be taken from the Columbia River and distributed through a 7-mile ditch. The work on the ditches and canals will be begun in the fall. J. B. Valentine is President and Gen. Mgr.

GRANTS PASS, ORE.—S. J. Harmeling, of Grants Pass, has filed with the County Clerk notice of the location of a ditch and water right, for irrigation and other purposes. According to the location notice, 30,000 ins. of water, miners' measure, under a 6-in. pressure, will be diverted from the north side of the Rogue River at a point about 20 rods south and down stream from Rock Point bridge in Jackson County. From the point of diversion the water is to be carried along the north bank of the river down the stream for a distance of about 1,000 ft. through a main ditch 60 ft. wide on top by 40 ft. on the bottom and 5 ft. deep. The ditch will have an average fall of about 4 ft. to the mile. At the end of this large ditch which is designated as point A, two-thirds of the water is to be diverted by pipe or flume to the south side of the river and then by ditch, flume or pipe in a general southwesterly direction, and if by ditch the same will be 40 ft. on top, 24 ft. on the bottom and 5 ft. deep. This ditch will follow the general contour of the hills to a point near Murphy on the south side of the Applegate River, and will be known as the Riley ditch. From Point A of the main ditch 10,000 ins. will be carried in a westerly direction along the general contour of the hills and through a ditch 20 ft. on top by 15 ft. on the bottom and 5 ft. deep extending to a point on the north side of the Rogue River near what is known as the Eismann place about six miles west of Grants Pass.

*LOS ANGELES, CAL.—Specifications are on file at the office of Engineering News, New York, for the construction of Sections 1, 2 and 3 of the Jawbone division of the Los Angeles aqueduct. Bids are asked until July 27.

SAN BERNARDINO, CAL.—The Water Commission has awarded the contract for 4,100 ft. of 12-in. c.-i. pipe to the UNITED STATES PIPE & FOUNDRY CO., of San Francisco, Cal., at $35 per ton. The George M. Cooley Co. bid $36.35 per ton.

GRIDLEY, CAL.—The Board of City Trustees have accepted the plans of Ralph Beebee, Engr., for a water system for the city of Gridley, costing $30,000.

ORLAND, CAL.—Bids are asked until 2 p. m., Aug. 27, by the U. S. Reclamation Service, Orland, for the construction of East Park dam, spillway and dikes, located about 12 miles northwest from sites, Colusa County, Cal., and involving the placing of about 13,500 cu. yds. of concrete and the excavation of about 8,500 cu. yds. of material.

FORT MASON (San Francisco post-office), CAL.—Bids are asked until 11 a. m., June 20, by George K. Williamson, Constructing Q. M., U. S. A., for a pumping station, smoke-stack, boilers, pumps, reservoir, flume and pipe at the Presidio of San Francisco.

PHOENIX, ARIZ.—An extension of time of 20 weeks and two days has been granted to J. M. O'Rourke & Co., within which to complete their contract for the erection of the Roosevelt dam, Salt River irrigation project, Arizona. The contractors were delayed in their work by storms and floods, etc., and the date of completion has therefore been advanced to Oct. 10, 1908.

BERLIN, ONT.—The Water Commissioners have awarded contracts for the supply of pipe for the year to the GARTSHORE-THOMSON CO., of Hamilton, Ont.; for hydrants to DOHERTY MFG. CO., Sarnia, Ont.; for valves, to KERR ENGINE CO., Walkerville, Ont.

VICTORIA, B. C.—Bids are asked until 4 p. m., June 15, by W. W. Northcott, Purchasing Agt., for supplying and laying certain steel riveted pipe; also supplying and installing in the Yates St. pumping-station two electric-driven power pumps.

WINNIPEG, MAN.—Bids are asked until July 8, for the construction of a movable dam, steel service and highway bridge, repair shop, etc., at St. Andrew's Rapids. Fred. Gelinas is Secy. Dept. Pub. Wks., Ottawa, Ont.

MEXICO CITY, MEX.—The bill of the Minister of Finance providing for an appropriation of $25,000,000 for undertaking irrigation work throughout the republic has been passed by the Senate.

SEWERAGE.

PROVIDENCE, R. I.—On May 21 the Board of Aldermen adopted a resolution providing for the appropriation of an additional $100,000 for the construction of sewers.

EAST PROVIDENCE, R. I.—All bids for the construction of sewers were rejected on June 1 by the Town Council as excessive.

NEW HAVEN, CONN.—Plans are being prepared for the construction of a sewer in York Square.

NEW YORK, N. Y.—No bids were opened on June 3 by Bird S. Coler, Pres. Boro. of Brooklyn, for the construction of relief sewers.

NEW YORK, N. Y.—The contract for constructing a sewer and appurtenances in 14th Ave., from 27th st to 30th St., Whitestone, Third Ward, Queens Boro., was awarded on June 1 by Lawrence Gresser, Pres. Boro. of Queens, to the STOBAUGH-BURNS CO., of New York, at $1.50 per ft. Commissioner Halleran states that as soon as the necessary sureties are filed the work will commence.

WATERLOO, N. Y.—Bids are asked by John Kropf, Village Pres., until noon, July 1, for furnishing the materials and constructing a system of sewers with sewage disposal plant for the village. The work will cover about 14 miles of vitrified pipe, from 6 to 20 ins., with trenching for same 4 to 16 ft. deep, with manholes, flush tanks, river crossing and septic tank. Proposals will be received for the sewers and septic tank, separately and combined. Plans, specifications and form of contract may be obtained of the Village President or from Morrison & Farrington, Syracuse, N. Y., Engrs.

ALBANY, N. Y.—Bids are asked until June 15 by the city for laying a vitrified pipe sewer under the carriageway of Hamilton St. and of Grand St., from the sewer in South Pearl St. to a point about 40 ft. north of Madison Ave., the work including the necessary bends, branches, house connections, etc.; for laying a vitrified stoneware pipe sewer under the south sidewalk of Livingston Ave. from a point 621 ft. west of the west line of Ontario St. westerly about 200 ft., including necessary bends, etc.; and for laying a vitrified pipe sewer under the carriageway of Leonard St. and Liebel St., from the Seymour Ave. sewer to a point about 470 ft. west of Leonard St., including necessary bends, etc. Walter Melius is City Engr. Isidore Wachsman is Secy. Bd.

NEWARK, N. Y.—See under Buildings.

*PLAINFIELD, N. J.—Bids are asked until 8 p. m., July 6, by the Common Council for the construction of sanitary sewers, including 710 ft. of 8-in. vitrified pipe sewer, 6 to 8 ft. deep; 36 ft. of 8-in. c.-i. pipe sewer, 6 to 8 ft. deep; one manhole; two flush tanks; 34 branches on 8-in. vitrified pipe; 100 ft. of 4-in. vitrified pipe house connections. Andrew J. Gavett is City Surv.

*SUMMIT, N. J.—Bids are asked by the Common Council until 8 p. m., June 16, for the construction of a concrete storm sewer. Plans and specifications may be examined at the office of William S. Logan, City Engr. J. Edward Rowe is City Clk.

WASHINGTON, D. C.—Bids were received as follows on June 6 at the office of the Commissioners of the District of Columbia for furnishing c.-i. sewer pipe, (a) five tons of 3-in.; (b) 34 tons of 4-in.; (c) 40 tons of 6-in.; (d) 922 tons of 8-in.; (e) 438 tons of 12-in.: Lynchburg Foundry Co., Lynchburg, Va. (a) $29.44, (b) $26.44 (c) $25.44, (d) $24.94, (e) $24.94; John Fox & Co., 253 Broadway, New York (a) $30.40, (b) $29, (c) $27.50, (d) $27.25, (e) $27.25; Camden Iron Works, Camden, N. J. (b) $28.44, (c), (d), (e) $27.33; Dimmick Pipe Co., Birmingham, Ala., all sizes, $25.48; United States Cast-Iron Pipe & Foundry Co., 80 Broadway, New York (a), (b) $27, (c), (d), (e) $25.85; Central Metal & Supply Co., 611 East Lombard St., Baltimore, Md., all sizes, $29.60.

WASHINGTON, D. C.—Awards have been made as follows by the Commissioners of the District of Columbia for the following engineering supplies for the next fiscal year: AMERICAN SEWER PIPE CO., Bessemer Bldg., Pittsburg, Pa., 20,000 ft. of 10-in., 17 3-40 cts.; 15,000 ft. of 12-in., 23.9 cts.; 3,500 ft. of 15-in., 32 ⅓ cts.; 500 ft. of 21-in., 57¾ cts.; 500 ft. of 24-in., 37¾ cts.; NATIONAL MORTAR CO., Washington, $1.52 per bbl. for cement; JAMES M. PORTER, Bessemer Bldg., Pittsburg, Pa., vitrified paving blocks, 1,500,000 at $10.80 per M.; ASPHALT BLOCK & TILE CO., Washington, D. C., asphalt blocks, at $62 per M.; curbing, W. P. EVANS, Lithonia, Ga., 20,000 lin. ft. of 8 × 8-in. straight curbing, 80 cts.; GEORGIA GRANITE CO., Atlanta, Ga., 4,000 lin. ft. of 8 × 8-in. circular curbing, $1.02; WISE GRANITE CO., Wise, N. C., 6 × 20-in. circular, 1,000 lin. ft., $1.29; W. P. EVANS, Lithonia, Ga., 15,000 lin. ft. of 6 × 20-in. straight, at 95 cts.; miscellaneous castings, items 1, 3, 4, 5, 6 to NEW JERSEY FOUNDRY & MACHINE CO., 90 West St., New York; item 2, to STUART R. CARR & CO., Boston and Montford Aves., Baltimore, Md.; DIETRICH BROS., 346 North St., Baltimore, item 7; JAMES F. POWER FOUNDRY CO., Elkton, Md., items 8 and 12; LYNCHBURG FOUNDRY CO., Lynchburg, Va., item 9; JOHN MITCHELL, JR., items 10 and 11. Bids received on 6-in. and 8-in. terra-cotta and on red sewer brick were rejected. No award has been made on sand and gravel.

*WASHINGTON, D. C.—Bids are asked until noon, June 29, by the Commissioners of the District of Columbia for the construction of a trunk sewer.

CEDARTOWN, GA.—The city has voted $30,000 of bonds for the construction of sewer extension and street improvements.

GULFPORT, MISS.—We are officially advised that the following bids were received on May 26 by the city for the construction of storm water sewers: J. W. GURLEY & CO., Mobile, Ala., $15,837 (awarded contract); Irwin Bros., New Orleans, La., $17,756; C. M. Burkhalter, Birmingham, Ala., $19,257; Pouncy Paving & Contracting Co., Helena, Ark., $26,215. M. F. Sullivan is City Engr.

KNOXVILLE, TENN.—LONG & PRICE were awarded the contract on May 28 by the Board of Public Works for the construction of sanitary sewers in Broadway and Asylum Ave.

The J. A. AHLER PLUMBING CO. secured the contract for the Oak Ave. sewer. S. D. Newton is City Engr.

*LOUISVILLE, KY.—Bids are asked until noon, June 24, by the Commissioners of Sewerage for the construction of a sewer known as Section "A" of the 25th St. sewer, Contract No. 8 of the comprehensive system of sewerage for the city of Louisville. This work consists mainly of a sewer constructed of reinforced concrete 5 ft. 10 ins. wide by 5 ft. 6½ ins. high, 1,993 ft. long and 5 ft. 6 ins. wide by 5 ft. 2 ins. high, 1,740 ft. long, including a connecting chamber. The principal items in the Engineer's estimate of the work are approximately as follows: Excavation, depth of cut 14 ft. to 24 ft., 3,762 lin. ft.; concrete, 1,750 cu. yds.; reinforcing steel bars, 92,000 lbs. Plans and specifications may be seen at the office of the Commissioners and at the office of the Consulting Engineer, Harrison P. Eddy, of Metcalf & Eddy, 14 Beacon St., Boston, Mass. J. B. F. Breed is Ch. Engr.

DAYTON, KY.—Bids were received from seven contractors at the meeting of the Council on June 1 for submitting the construction of sewers, but as four of them failed to comply with the specifications, only three will be considered. The bids, which will be considered, are as follows: Walter Bros., for brick sewers on Main, McKinney and Vine Sts., $52,140; J. B. McLane & Co., for concrete sewers on streets named, $42,308; Barker & Co., of Dayton, Ohio, $49,943. New bids may be asked as all bids exceed the limit of the bonded indebtedness the city may incur.

YOUNGSTOWN, OHIO.—Bids are asked until noon, June 12, by the Board of Public Service for the construction of sewers in Cassino Ave., for improving the Broadway sewer outlet and for laying stone sidewalks. W. H. McMillin is Clk. Bd.

CLEVELAND, OHIO.—Bids are asked until noon, June 18, by the Board of Public Service for the construction of sewers in various streets and avenues. A. R. Callow is Clk. Bd.

SPRINGFIELD, OHIO.—Bids are asked until noon, June 17, by the Board of Public Service for the construction of a storm water sewer in Main St., from Indian Run to Park St. William H. Mahoney is Clk. Bd.

NEWARK, OHIO.—Bids are asked until noon, June 16, by the Board of Public Service for the construction of a tile sanitary and drainage sewer in Clinton St. Albert C. Gundlach is Clk. Bd.

BRAZIL, IND.—MICHAELS & MINNICK, of Marion, Ind., were awarded the contract on June 2 by the Council for constructing the 2-mile sanitary sewer through Pogue's Run at $34,269.

SHELBYVILLE, IND.—The City Council has ordered plans prepared for the construction of a general sewer system. Bids will be asked as soon as plans and specifications are completed.

FRANKFORT, IND.—Bids are asked by the Common Council until June 16, for the construction of a sanitary sewer in South Columbia St. and adjacent territory. Worth Price is City Clk.

SOUTH BEND, IND.—Plans have been approved for the construction of trunk sewers in Meade St. and Prairie Ave. Estimated cost, $80,000 and $15,000, respectively. A. J. Hammond is City Engr.

BOYNE CITY, MICH.—Bonds for $20,000 have been voted by the city for the construction of a sewer system.

DETROIT, MICH.—LANGLEY & JEYNES were awarded contracts on June 2 by the city for the construction of the Fort St. and Waterman Ave. sewers at $11,800 and $26,412, respectively. Robert H. McCormick is City Engr.

CHICAGO, ILL.—Bids are asked until 11 a. m., June 13, by the Department of Public Works for constructing in the 95th St. sewage pumping station three water-tube boilers. John J. Hanberg is Comr. Pub. Wks.

SILVIS, ILL.—H. G. Paddock has completed surveys for the construction of a sewer system to empty into Rock River. A. Walsh is Pres. Village Bd.

ROCK ISLAND, ILL.—The City Council has passed an ordinance providing for the construction of a 12-in. sewer in 17th St., from Second to Fifth Ave. Estimated cost, $8,641.

MOOREHEAD, MINN.—The City Council has awarded the contract for the construction of several blocks of sewers to JAMES KENNEDY, of Fargo, N. Dak., at $22,367.

COFFEYVILLE, KAN.—Bids are asked by the City Clerk until June 15 for the construction of sewers in sewer district No. 3, to be about 14 miles in length. Estimated cost, $65,000.

WATERTOWN, S. DAK.—The contract for the construction of the Melette St. and Ontario St. sewer was awarded on May 28 by the City Council to HESS & RAU, of Watertown, at $3,920.

ST. LOUIS, MO.—Bids are asked until noon, June 16, by the Board of Public Improvements for the "emergency work" required for the maintenance of sewers, sewer inlets, manholes and appurtenances and the work of making necessary repairs requiring prompt attention of sewers, sewer inlets, manholes and appurtenances wherever and whenever directed by the Sewer Commissioner of the city from July 1, 1908, to July 1, 1909. W. B. Dryden is Secy. Bd.

DENVER, COLO.—A sewer to be known as the West and South Sanitary sewer will be constructed, extending from University Park to Argo, a distance of about 38 miles. Plans are being prepared.

DENVER, COLO.—Plans are being prepared at the office of J. B. Hunter, City Engr., for the construction of brick and pipe sewers for University, Overland and Villa Parks and for Globeville. George E. Randolph is Pres. Bd. Pub. Wks.

ROSWELL, N. MEX.—W. C. GLENN and A. B. RICH, of Webb City, Mo., have been awarded the contract by the city for the construction of nine miles of sewers here.

SEATTLE, WASH.—R. H. Thomson, City Engr., has estimated the cost of the following street improvements: Beacon Ave. and other streets, sewers, $10,500; 25th Ave. South and other streets, sewers, $3,700; 17th Ave. South and other streets, sewers, $18,000; 14th Ave. South and other streets, sewers, $4,250.

GARBAGE DISPOSAL.

BOSTON, MASS.—Bids for the collection and removal of house offal from the East Boston district have been received by Guy C. Emerson, Supt. Sts. There were only three bidders, the lowest being John T. Lane of East Boston, Mass., at $5,000 a year for the two years' contract. The other bidders were: Thomas Mulligan, Revere, Mass., $5,500; Frank Neilon, $7,750.

NEW YORK, N. Y.—Bids are asked by the Park Board until 3 p. m., June 18 for furnishing and delivering one 12-ton 3-wheel steam road roller, for the Department of Parks, Borough of the Bronx. Henry Smith is Pres. Bd.

*MONT ALTO, PA.—Bids are asked by the State Commissioners of Health, until 5 p. m., June 30, for furnishing and erecting complete a garbage and refuse disposal plant at the Pennsylvania State South Mountain Sanitorium, near Mont Alto, Franklin County, Pa. The plant will consist of one battery, with a capacity for the garbage, sludge and combustible refuse from 500 people. Ingenuity of design and economy of operation will be given consideration in awarding the contract.

CINCINNATI, OHIO.—The Mayor on May 27 signed the ordinance giving a 5-year contract to the CINCINNATI REDUCTION CO. for the removal and disposal of garbage and offal. This company bid on the 5-year contract opened on May 7 as follows: 1st yr., $89,000; 2d yr., $91,000; 3d yr., $93,000; 4th yr., $95,000 and 5th yr., $97,000.

COLUMBUS, OHIO.—Bids are asked by the Board of Public Service until June 24, for the construction of a garbage reduction works. John K. Gregory is Engr.-in-Charge.

STREETS AND ROADS.

NASHUA, N. H.—Bids are asked until 5 p. m., June 19, by A. W. Dean, State Engr., Concord, N. H., for grading and surfacing with trap rock a portion of the Merrimack Valley Road, in this city.

CONCORD, N. H.—Bids are asked until June 19 by A. W. Dean, State Engr., Concord, for grading and surfacing with gravel a portion of the Merrimack Valley Road, in the towns of Belmont and Bedford.

*ADAMS, MASS.—Bids are [illegible] until 7 p. m., June 25, by the Board [illegible] Selectmen for paving about 6,900 sq. yds. [illegible] Park St. with vitrified brick. A. K. [illegible] is Chn. Bd.

HOPEDALE, MASS.—CENED[illegible] A & CO., of Milford, Mass., have been [illegible]rded the contract by the town for the [illegible]struction of a road in Northrop St., at a[illegible] $10,000.

WEST FALMOUTH, MASS.—[illegible]MAS & O'CONNORS, of Middleboro, Ma[illegible] were the lowest bidders and were award[illegible] the contract on May 28 by the Select[illegible] for constructing the shore road from W[illegible] to North Falmouth at $8,745.

BOSTON, MASS.—Bids are [illegible]d until noon, June 15, by Guy C. Em[illegible], Supt. of Streets, for constructing ma[illegible] roadways on several streets.

*BRIDGEPORT, CONN.—Bids a[illegible]sked by the Aldermanic Committee on S[illegible]ts and Sidewalks until 8 p. m., June 1[illegible] for furnishing about 5,860 sq. yds. o[illegible]ck or wood blocks; about 930 bbls. o[illegible]ortland cement; about 720 cu. yds. of s[illegible] about 1,400 tons of crushed stone; a[illegible] 13,500 tons of crushed stone "special"; [illegible] 3,300 tons of screenings "special." [illegible]n M. Griffin is Chn. Com.

HARTFORD, CONN.—Contracts [illegible] road construction were awarded by the S[illegible] Highway Commissioner on June 8, a[illegible]llows: 2,505 lin. ft. of macadam-telford, [illegible]wn of Enfield, AMOS BRIDGE'S ESTATE, [illegible]azardville, Conn., $5,843.25; 5,282 lin. ft. [illegible] gravel road with bridge abutment, town [illegible] Litchfield, Conn., PIERSON ENGINEE[illegible]NG & CONSTRUCTION CO., Bristol, Conn. [illegible]8,255. Other bidders were: B. D. Pierce, [illegible] Co., Bridgeport, Conn., $10,852; Joseph M[illegible]ettie, Torrington, Conn., $9,226; 17,483 [illegible]n. ft. of gravel and gravel-telford road, [illegible]wn of Windham, Conn., A. VITO, Th[illegible]mpson, Conn., 89 cts. for gravel and $1.[illegible]1 for gravel-telford. Other bidders were: B. D. Pierce, Jr., Co., Bridgeport, 98 and $1.71; T. H. Gill Co., Boston, Mass., 99 and $1.47; C. W. Tryon, Meriden, Conn., $1.15 and $1.65; Pierson Engineering & Construction Co., Bristol, Conn., $1 and $1.60; A. Brazos & Son, Middletown, Conn., $1.19 and $1.46.

HARTFORD, CONN.—Bids for the construction of state road are asked by the State Highway Commissioner, Capitol, until noon, June 15, as follows: 7,550 ft. of grading in the town of Haddam; five 12-in. and two 24-in. tile-culverts called for; 3,365 ft. of macadam in the town of Waterbury; two 18-in. tile culverts called for; 5,075 ft. of gravel-telford in the town of Cromwell; two 12-in. tile culverts called for; 2,509 ft. of telford in the town of Plainville; 5,950 ft. of telford in the town of Middletown. Bridge also called for.

NEW HAVEN, CONN.—The following contracts have been awarded by the Permanent Paving Commission: To C. W. BLAKESLEE CO., St. Ronan St., from Edwards to Highland St., macadam pavement and concrete gutters, $8,851; Winthrop Ave., from George to Oak St., macadam pavement with concrete gutters, $5,296. To FRANK BRAZOS, Webster St., from Winchester Ave. to Goffe St., macadam pavement, with Belgian block gutters, $4,005; Newhall St., from Division to Ivy St., macadam pavement and Belgian block gutters, $2,645; Division St., from Winchester Ave. to Dixwell Ave., macadam pavement with Belgian block gutters, $3,685; Rosette St., from Howard Ave. to Morris St., macadam pavement, with Belgian block gutters, $2,892.

NEW LONDON, CONN.—The contract for paving Main St. with brick has been awarded by the city to the WORCESTER CONDUIT & PAVING CO., of Worcester, Mass., at $2.76 per sq. yd. Bids were opened on June 1.

ROME, N. Y.—The Board of Public Works on May 29 awarded the contract to the WARREN BROS. CO. for paving six streets with bitulithic on a concrete foundation at $53,040.

ALBANY, N. Y.—Bids are asked until 3 p. m., June 15, by the Board of Contract and Supply for the improvement of Plum St., from the west line of Dallius St. to the east line of Franklin St., the work including grading, curbing and paving the carriageway with vitrified paving blocks, repairing and laying sidewalks with flags and vitrified bricks, and also for laying a vitrified pipe sewer under the carriageway between the east line of Broadway and the center line of Franklin St.; and for the improvement of Cuyler St., from the west line of Elizabeth St. to the east line of Sloan St., the work including grading, curbing and paving the carriageway with granite blocks, repairing and laying sidewalks with flags and vitrified bricks, etc.

JAMAICA (L. I.), N. Y.—The Board of Estimate and Apportionment, New York, on May 22 appropriated $140,000 from its bond issues for repaving Jamaica Ave., from Van Wyck Ave. to the westerly boundry of the old village of Jamaica to the Brooklyn line. The present brick pavement will be taken up and a granite block pavement relaid.

LONG ISLAND CITY (L. I.), N. Y.—Bids are asked until 11 a. m., June 17, by Lawrence Gresser, Pres. Boro. of Queens, for furnishing and delivering to the Bureau of Highways broken stone and screenings of limestone and broken stone and screenings of trap rock, in the Borough of Queens.

BROOKLYN, N. Y.—The following bids were opened on May 28 by the Park Board for furnishing material and repairing the asphalt roadways of Glenmore Ave. and Eastern Parkway extension; also a walk in Prospect Park, Borough of Brooklyn—(a) 3,100 sq. yds. of asphalt roadway repairs, (b) 800 sq. yds. of asphalt walks resurfacing, (c) totals: The Barber Asphalt Paving Co., 114 Liberty St., New York, (a) $3.19, (b) $2.74, (c) $12,081; Cranford Co., (a) $3.73, (b) $2.78, (c) $12,237.

BROOKLYN, N. Y.—Bids are asked by Bird S. Coler, Boro. Pres., until 11 a. m., June 24, for regulating and repaving several streets with asphalt and granite pavement on a concrete foundation.

BROOKLYN, N. Y.—The following bids were opened on May 28 by the Park Board for furnishing the material and repairing the asphalt roadways of Glenmore Ave., the Eastern Parkway extension and walk in Prospect Park, Borough of Brooklyn: (a) 3,100 sq. yds. of asphalt roadway repairs, (b) 800 sq. yds. asphalt walks resurfacing, (c) total: The Barber Asphalt Paving Co., 114 Liberty St., New York, (a) $3.19, (b) $2.74, (c) $12,081; Cranford Co., 190 Montague St., Brooklyn, (a) $3.73, (b) $2.78, (c) $12,237.

NEW YORK, N. Y.—The sum of $3,000,000 has been appropriated for the Bronx River Parkway which is to run from Bronx Park, north, along the Bronx River, through Mount Vernon, Bronxville, Tuckahoe, White Plains, North White Plains and Scarsdale.

NEW YORK, N. Y.—The lowest bid opened on May 28 by Louis F. Haffen, Pres. Boro. of the Bronx, for wood block pavement on Charlotte St., Rogers Place and Minford Place, was submitted by the Barber Asphalt Paving Co., 114 Liberty St., at $14,695, $10,824 and $16,285 respectively.

Bids were opened on May 28 by the Park Board as follows: For raising grade of loop in Riverside Drive at 127th St. and other work incidental thereto: Alamo Construction Co., $14,702; Atlantic Construction Co., $13,02[illegible]; Thomas Crimmins Contracting Co., $14,8[illegible]; Bart Dunn, $9,275; P. T. Kane, $18,41[illegible]; Wm. H. Masterson, $11,212; for furnishing and delivering to the Park Board (a) 3,000 cu. yds. stone or trap rock; (b) 3,000 cu. yds. screening of trap rock; (c) total: Clinton Point Stone Co. (a) and (b) $2.30, (c) $14,280; Jacob E. Conklin, (a) and (b) $2.26, (c) $13,560; Manhattan Trap Rock Co., (a) and (b) $2.23, (c) $13,380.

ROCHESTER, N. Y.—The Council has passed an ordinance providing for Medina block pavement, curb and surface sewers, etc., in Joseph Ave., estimated cost, $49,000; Hawley St., $37,500, and in Plymouth Ave., $23,000; also brick pavement, etc., in Plymouth Ave., $20,000; Schaffer St., $8,000; for resurfacing with trap rock Jefferson Ave., $5,000. William Ward is City Clk.

*MADISON BARRACKS (Sacketts Harbor post-office), N. Y.—Plans and specifications are on file at the office of Engineering News, New York, for the construction of walks and construction and improvement of driveways at this post. Bids are asked until June 24.

*HERKIMER, N. Y.—Specifications are on file at the office of Engineering News, New York, for paving Albany, Prospect, Main, Washington, Church and Mohawk Sts. and Park Ave. Bids are asked until June 15.

*BLOOMFIELD, N. J.—Bids are asked 8 p. m., June 16, by William L. Johnson, Town Clk., for the estimate and specifications for the abatement of dust on certain telford roads in the town.

WOODBURY, N. J.—Bids are asked by Robert C. Sparks, City Clk., until June 16, for paving about 4,165 sq. yds. on North and South Broad St. with Warren's bitulithic pavement. William M. Carter, 127 South Broad St., is Engr.

HOBOKEN, N. J.—Bids are asked until 8 p. m., June 24, by the Mayor and Council for repaving Adams St., from Second to Third Sts., Second St., from Madison to Monroe Sts., and Sixth St., from Garden St. to Park Ave., with wood block pavement. James H. Londrigan is City Clk.

PATERSON, N. J.—The Board of Public Works on June 1 awarded the contract for permanent street improvements to the McDONALD CONSTRUCTION CO., at $1.97 and $3.27.

NEW BRIGHTON, PA.—J. H. & M. E. MILLER of New Castle, Pa., were awarded the contract for paving, curbing and sewering Fifth Ave. at about $37,000.

HARRISBURG, PA.—THE JUNIATA PAVING CO., of Harrisburg, has been awarded the contract by the State Highway Department for the construction of 12,592 ft. of road in Platt Township at $25,280.

J. E. Francis, of Punxsutawney, Pa., submitted the lowest bid for the construction of 10,884 ft. of road in Mifflin Township at $26,758. James W. Hunter is State Highway Comr.

*SMETHPORT, PA.—The Borough Council on May 25 opened the following bids for paving Main St., 12,477 sq. yds. of brick and concrete paving: Veeder Heasley, $30,367; Reinard & Higgins, $39,289; Louis H. Gipp Construction Co., Buffalo, N. Y., $27,356; Smedley & Mallery, $28,314; J. Sheehan & Co., $34,500; Coryell Construction Co., $29,447. B. G. Holder is Boro. Secy.

BALTIMORE, MD.—Berghaus & Moffitt, 200 Pine St., Harrisburg, Pa., have submitted the lowest bid for the construction of 22,686 sq. yds. of from 6 to 8-in. macadam pavement on natural soil at $39,087. Other bidders were: McDowell & Brown, $41,989; George Killeen & Co., $45,762; Roland Park Co., $41,218; Klipp & Bofst, $41,357; C. C. Magruder, $41,153. W. W. Crosby is Ch. Engr.

WASHINGTON, D. C.—See under Sewerage.

WASHINGTON, D. C.—Bids were received as follows on June 6 by the District Commissioners for paving roadway at the pumping station: Cranford paving Co., Washington, laying trap pavement, 69 cts. per sq. yd.; relaying granite paving, 65 cts. R. E. Boiseau, Washington, trap pavement, 83 cts.; granite pavement, 53 cts.

*SELMA, ALA.—Specifications are on file at the office of Engineering News, New York, for brick paving here. Bids are asked until June 22.

CLARKSDALE, MISS.—Specifications for the construction of concrete sidewalks, curbs, gutters, etc., are on file at the office of Engineering News, New York. Bids are asked until June 16.

*GULFPORT, MISS.—We are officially advised that the following bids were received on May 26 by the city for constructing complete approximately 40,000 sq. yds. of street pavements, 15,000 lin. ft. of concrete curb and gutter, 15,000 lin. ft. of granite curbing (a) brick-grout filler, (b) brick-sand filler, (c) creosoted blocks, (d) bitulithic, (e) asphalt, (f) bituminous macadam, (g) granitoid: GRAVES-MATHEWS SHALE BRICK CO., Birmingham, Ala., (a) $122,536 (awarded contract); (b) $119,336; Copeland Inglis Shale Brick Co., Birmingham, (a) $129,863; (b) $125,863; Southern Paving & Construction Co., Chattanooga, Tenn., (a) $128,534; (b) $125,334; West Construction Co., Chattanooga, (a) $130,527; (b) $128,027; (c) $138,527; Crockett Paving Co., Birmingham, (a) $137,425; (b) $133,425; (c) $143,825 and $140,225; Southern Bitulithic Co., Nashville, Tenn., (c) $154,117; (d) $132,917; Barber Asphalt Paving Co., Philadelphia, Pa., (e) $124,729; (f) $127,539; Rudolph S. Blome Co., Chicago, Ill., $123,102. M. F. Sullivan is City Engr.

*ADA, OHIO.—Bids are asked until June 30, by E. J. Carey, Village Clerk, for 8,500 sq. yds. of brick paving. Thomas J. Smull is Engr.

COLUMBUS, OHIO.—The Board of Public Service on June 3 awarded the following street improvement contracts: Atcheson St., from St. Clair to Denmead St., to HARRY J. SHAW, $9,429; Crawford St., Livingston to Raymond Sts., BALDWIN BROS. & GRAHAM, $5,737; Fifth St., Sycamore to Kossuth Sts., H. J. SHAW, $7,418; Hawthorne St., Champion to Taylor Sts., same, $13,903; Ninth St., Livingston St. to South Lane, GEIGELE & GARNES, $3,858.

CINCINNATI, OHIO.—Bids are asked until noon, June 12, by the Board of Public Service for the improvement of various streets. John J. Wenner is Clk. Bd.

Bids are asked by the County Commissioners until noon, July 3, for the improvement of several pike roads. Fred Dreihs is Clk. Comrs.

LOCKLAND, OHIO.—Bids are asked until noon, June 15, by the Village Council for the improvement of Ruffner St., from Benson St. C. E. Troy is Village Clk.

MOUNT GILEAD, OHIO.—Bids are asked until noon, June 18, by W. F. Wieland, Village Clk., for the improvement of Main St.

CLEVELAND, OHIO.—Bids are asked until 11 a. m., June 15, by the County Commissioners for grading, draining and improving North Miles Ave., from Center Road in Randall at end of present Miles Ave.; improvement to Bentleyville Bridge in Chagrin Falls, Warrensville, Solon, Orange and Bedford Townships. William F. Black is Clk Comrs.

*CADIZ, OHIO.—Specifications are on file at the office of Engineering News, New York, for brick paving here. Bids are asked until June 24.

RUTLAND, OHIO.—Bids are asked until June 24 by the State Highway Department, Pomeroy, Ohio, for the construction of a brick paved road here, 1.09 miles long. Estimated cost, $10,202.

PAINESVILLE, OHIO.—Bids are asked until June 25 by the State Highway Department for the construction of 2½ miles of macadam road here. James C. Wonders is Comr.

MARTINS FERRY, OHIO.—Bids are asked until noon, June 18, by the Board of Public Service for furnishing the necessary paving brick or block for various streets and alleys. E. D. Lash is Clk. Bd.

CAMBRIDGE, OHIO.—The citizens on May 20 voted in favor of paving 15 streets with brick. Bids will probably be asked the latter part of this month. O. M. Hoge is City Engr.

COLUMBUS, IND.—The Commissioners of Bartholomew County have passed favorably on petitions for the construction of ten gravel roads estimated to cost $103,499.

RUSHVILLE, IND.—Bids are asked by the Commissioners of Rush County until July 10 for the construction of a macadamized road between this city and White River bridge. A. L. Stewart is Engr. A. L. Winship is County Audr.

MUNCIE, IND.—Bids are asked by the Board of Commissioners of Delaware County until 10 a. m., July 8, for the construction of a gravel road, known as the Guinup Road; a gravel road, known as the Long Road; a gravel road known as the Harris Road; and a gravel road, known as the Couch Road, all in Washington Township. Joseph E. Davis is County Audr.

TIPTON, IND.—Bids are asked by the Commissioners of Tipton County until 10 a. m., July 6, for the construction of three gravel roads in Prairie Township, 13,121, 11,075 and 5,869 ft. in length respectively. J. F. Barlow is County Audr.

VINCENNES, IND.—Bids are asked by the Commissioners of Knox County until 2 p. m., July 7, for the construction of 13,110 ft. of gravel road in Palmyra Township, and 14,133 ft. of gravel road in Johnson Township. John T. Scott is County Audr.

CHARLOTTE, MICH.—Bids are asked until June 15, by Claude E. Fisher, City Clk., for furnishing the material, grading and paving portions of Lawrence and Lovett Sts. with brick on a concrete foundation, with asphalt filler.

CHICAGO, ILL.—Thomas L. Dooley submitted the lowest bid on May 28 for asphalt paving repair work throughout the city for the year at $45,000. John J. Hanberg is Comr. Pub. Wks.

LEAVENWORTH, KAN.—The Quartermaster-General on May 27 recommended to William H. Taft, Secy. of War., that the bid of James Stanton for the grading necessary in connection with the construction of the road between Leavenworth and Fort Leavenworth, be accepted. It is stated that Mr. Stanton's bid was the only one strictly in accordance with the specifications.

The grading for which the government is considering bids, is preliminary to the paving, curbing and guttering of Grant Ave., for which Mr. Stanton has already been awarded the contract. The grading to be done will require 8,000 yds. of fill and 15,000 yds. of cut. Approximately 10,000 yds. of rock, furnished by the government, will have to be hauled to the road. This work will cost in the neighborhood of $16,800. The road when complete, will be about three miles long and will cost the government a total of $90,000.

BUTTE, MONT.—S. P. GUIMONT was awarded the contract on May 27 by the City Council for the construction of permanent and wooden sidewalks at the following prices: Permanent sidewalks: Reinforced walk, $2.25 per sq. yd.; cement walk, $1.65 per sq. yd.; curb, concrete, 55 cts. per lin. ft.; crosswalks, $2.25 per sq. yd.; lumber, in place, per 1,000 ft., $30. Wooden sidewalks: For walks 12 ft. wide, 85 cts. per lin. ft.; walks 10 ft. wide, 70 cts. per lin. ft.; walks 9 ft. wide, 65 cts. per lin. ft.; walks 8 ft. wide, 60 cts. per lin ft.; walks 7 ft. wide, 50 cts. per lin. ft.; walks 6 ft. wide, 49 cts. per lin. ft.; walks 5 ft. wide, 45 cts. per lin. ft.; walks 4 ft. wide, 30 cts. per lin. ft.; walks 3 ft. wide, 20 cts. per lin. ft.; walks 2 ft. wide, 15 cts. per lin. ft.; lumber in cross stringers, braces, posts, railings, etc., $30 per 1,000 ft.

SHAWNEE, OKLA.—The city has awarded the contract to A. M. BLODGETT for 30,000 sq. yds. of brick paving at $58,000.

THE METROPOLITAN ENGINEERING & CONSTRUCTION CO. secured the contract for 76,000 sq. yds. of asphalt paving at $147,440. Frank P. Stearns is Mayor.

SEATTLE, WASH.—The County Commissioners have awarded the contract for the construction of 7,234 ft. of earth road on the W. L. Livesly road to GEMMEL & KING, at $3,350. Other bidders were: J. A. Bailey, $8,000; J. F. McQuaid, $10,627; J. M. Kruse $7,228.

BELLINGHAM, WASH.—Four bids were received for the improvement of Dock St., between Holly and Maple Sts., by the Board of Public Works on June 1, and the contract was let to the BELLINGHAM CONSTRUCTION CO. at $18,613. Brick will be laid on the street and cement sidewalks and curbs will be constructed.

The contract for the improvement of Madison St., from Henry St. to Broadway, by concrete walks and grading, was awarded to J. A. LEITCH at $3,257. The other bidders were: Riddle & Kavanugh, $3,408; Campbell & Walker, $3,543.

CAMPBELL & WALKER have secured contract for laying cement sidewalks on and grading F St. between Irving and Dock Sts., at $3,160.

SEATTLE, WASH.—R. H. Thomson, City Engr., has reported the estimated cost of the following street improvements: North 46th and other streets, grading and curbing, $21,050; East Madison and other streets, planking, $3,200; 27th Ave. South and other streets, $61,000; 44th Ave. S. W., and other streets, grading, etc., $41,100; 44th Ave. S. W., and other streets, concrete walks, $28,200.

WALLACE, IDAHO.—The County Commissioners have rejected all bids for the construction of the Slate Creek wagon-road, to connect Wallace with the St. Joe River.

OTTAWA, ONT.—The BARBER ASPHALT PAVING CO., 114 Liberty St., New York, have been awarded the contract for paving a portion of Water St. at $10,347.

MANUFACTURING PLANTS.

(denotes that this work is advertised in Engineering News.)*

BRUNSWICK, ME.—The west section of the Cabot Mill will be rebuilt this season. This section will be 100 ft. long by 120 ft. wide and five stories high. When completed, the main mill will be 500 ft. long. The section which will be rebuilt is part of the old stone mill, built on the site of the Maine Cotton & Woolen Factory Co.'s mills.

LYNN, MASS.—J. S. Barnet & Son, tanners, have plans for an addition to their tannery, 50 × 70 ft., five stories high, two stories of brick and three of wood. Bids for its construction are being received. S. J. Barnet is Mgr., Boston St.

FALL RIVER, MASS.—The Directors of the Davis Mills of Fall River have practically decided to recommend to stockholders that the capital be increased from $500,000 to $1,000,000 to provide money for the construction of another factory.

HARTFORD, CONN.—Plans are being prepared by George Zunner, Arch., Hartford Trust Bldg., for a 3-story factory building to be built by the Eagle Dye Works, 9 Wells St., Hartford.

EAST SYRACUSE, N. Y.—George W. Kittredge, Ch. Engr. New York Central & Hudson River, R. R. Co., N. Y., has plans about ready for bids for a 20-stall engine-house to be built at East Syracuse.

JAMESTOWN, N. Y.—The Golden Furniture Co. has awarded contract to CHARLES LINDBECK for constructing a 5-story brick and frame factory building at Jones St. and Clifford Ave. Charles Kastner is Pres.

BUFFALO, N. Y.—The Star Plating Works, 61 Terrace St., has engaged W. H. Zawadski, Arch., 1079 Broadway, Buffalo, to prepare plans for changing a 3-story apartment building to a manufacturing building. M. J. Nowak is Gen. Mgr.

BUFFALO, N. Y.—Colson & Hudson, Archs., have let general contract to the NIEDERPREUM CO., Morgan Block, for a 3-story and basement light manufacturing building for Mrs. Mary O'Dea.

NEW YORK, N. Y.—B. F. Hudson, Arch., 2 Ocean Parkway, Brooklyn, has been engaged to prepare plans for a 2-story carriage factory for A. B. Smith, 284 Ninth Ave., Brooklyn.

BATAVIA, N. Y.—J. B. Light, Avon, N. Y., will erect a flouring and grist mill, at Batavia, with a capacity of 100 to 150 bbls. flour per day. Estimated cost, $15,000. Work on construction will start late in the summer.

SYRACUSE, N. Y.—Plans have been completed by Thurber J. Gillette, 811 Park St., for a 3-story bottling plant to be built by A. V. Altmann, 706 North Salina St. Cost, $16,000.

INDUSTRY, N. Y.—Bids were received by Miss Laura E. Aldridge, Pres. Bd. of Manufacturers of the New York State Agricultural and Industrial School, on May 26, for constructing a slaughter house, creamery building and cold storage plant here. The entire contract has been awarded to the R. T. FORD CO., 206 South Ave., Rochester, N. Y.

JERSEY CITY, N. J.—Hill & Stout, Archs., 1123 Broadway, New York, advise us that the general contract for constructing a 5-story factory building here for the Causse Mfg. & Importing Co. has been let to EDWIN OUTWATER, 225 Fifth Ave., New York. Estimated cost, $50,000.

NEWARK, N. J.—HENRY M. DOREMUS & CO., 79 Orange St., Newark, has been awarded contract by Frederick A. Phelps, Arch., 15 Clinton St., Newark, for erecting a 6-story factory building for the estate of S. H. Condit. Estimated cost, $50,000.

NEW BRUNSWICK, N. J.—Contract has been let by B. E. Stern, Arch., 160 Fifth Ave., New York, to the RUSSELL-ROBINSON CO., 209 Frelinghuysen Ave., Newark, for a 4-story addition to factory at New Brunswick, for the American Tobacco Co., New York, N. Y. Cost, $20,000.

SOUTH SHARON, PA.—Charles B. Carrell and Judd G. Carrell, of Pittsburg, Pa., propose to construct a glove factory on Negley St. The plant will be operated by electricity. The firm will be known as Charles B. Carrell & Bro.

ORVIS, PA.—George W. Kittredge, Ch. Engr. New York Central and Hudson River R. R. Co., New York, N. Y., is completing plans and will call for bids soon for an 8-stall brick and concrete engine round-house at Orvis.

INDIANA, PA.—The Buffalo, Rochester & Pittsburg Ry. Co. is reported to have decided upon plans for the proposed shops on the Pittsburg end of the system. The company owns considerable property at the southern extension of the Indiana County branch and repair shops probably will be erected there. E. F. Robinson, Rochester, N. Y., is Ch. Engr.

SHENANDOAH, PA.—Plans have been prepared by Emil Hartmann, 514 Walnut St., Philadelphia, Pa., for alterations and additions to the brewery of the Home Brewing Co., Shenandoah.

LANCASTER, PA.—Plans have been completed for a shirt and collar factory to be built here by W. H. Lucas.

FRANKLIN, PA.—Contract has been let by H. Brakeman, Arch., Union City, Pa., to C. S. BRAKEMAN, Franklin, for a brick and concrete blacksmith shop and apartments for Pierce Myers, Franklin. Cost, $9,500.

FRANKFORD (Philadelphia post-office), PA.—William O'Neill, proprietor of the Washing Damask Mill, at Josephine and Oxford Sts., Frankford, which was destroyed by fire on May 26, intends to rebuild the plant.

FREDERICKSBURG, VA.—Articles of incorporation have been filed for the Washington Woolen Mills Co. of Fredericksburg, which succeeds an established company of similar name. The capital stock is $100,000, and the intention is to manufacture woolen cloth trousers. The officers are: John C. Melville, Pres.; Morris Podoll, Gen Mgr.; William H. Duvall, Secy.

WELLSBURG, W. VA.—It is stated that a glass factory of 50 furnaces, each occupying a 50-ft. frontage, will be built here. J. H. Matthews, of this city, is interested.

WHEELING, W. VA.—The John Wenzel Co. will build cold storage room addition, 76 × 100 ft. Cost of building, $15,000; cost of machinery, $10,000. Baltzer Klot, 4320 Wood St., is Engr.-in-Charge.

CLARKSBURG, W. VA.—Contract for a glass factory to be built here has been let to JAMES CRAVATT, of Tarentum, Pa. H. E. Davis is Gen. Mgr.

ST. MATTHEWS, S. C.—It is stated that D. G. Zeigler, of Columbia, S. C., and Atlanta, Ga., Mill Arch. and Engr., intends perfecting arrangements during the next 60 days for the organization of his proposed St. Matthews Co. This company contemplates to develop 2,800 HP. and build a 20,000 spindle cotton mill at St. Matthews, C. C.

BLACKSBURG, S. C.—G. Lang Anderson, of Williamston, C. C., Pres. of the Blacksburg Mills, Blacksburg, S. C., will complete arrangements during the next few weeks for building and equipping the proposed plant. It is proposed to have an equipment of 5,000 spindles and 130 looms, for manufacturing cloth.

CALHOUN FALLS, S. C.—The stockholders of the Calhoun Mills of Calhoun Falls, S. C., have reorganized the company, electing the following officers: James P. Gossett, Pres. and Treas.; E. M. Lander, Secy.; W. Y. Harrison, Supt. The new management will arrange at once to complete the various buildings and install the machinery, which probably will be 15,000 spindles and 400 looms at first. This plant was originally designed for 25,000 spindles and 600 looms, to which full complement it is the intention to increase in due time. Electricity purchased from the Savannah River Electric Co. will drive the Calhoun Mills machinery, which will run on the manufacture of wide print cloth for converting and finishing. The initial investment will be between $400,000 and $500,000.

OWENSBORO, KY.—A. Killian, Arch., has prepared plans for an elevator for Henry Rothschild, J. T. Griffith and others. The elevator will have six stories, 40 × 110 ft., and will be built on Lewis St. at a cost of $15,000. Capacity, 75,000 bushels.

LOUISVILLE, KY.—The Kentucky Packing & Provision Co. is preparing plans for the enlargement of its packing plant at Floyd and F Sts. to double its present capacity. The improvements will cost $250,000.

COLUMBUS, OHIO.—The Columbus Lithograph Co. has obtained a building permit for a $12,000 plant to be built at the junction of Fifth Ave.

CLEVELAND, OHIO.—McGeorge & Son, Archs. and Engrs., Caxton Bldg., have prepared plans for a 1½-story factory building, 106 × 144 ft., to be erected at Quincy Ave. and East 93d St., for the Peerless Motor Car Co., 2429 East 93d St. Cost, $25,000.

NORWOOD (Cincinnati post-office), OHIO.—Plans have been completed by Samuel Hanaford & Sons, Archs., Hulbert Block, Cincinnati, for a 4-story L-shaped factory building for the U. S. Printing Co., Norwood. The structure will cost $250,000.

DAYTON, OHIO.—W. L. K. Jaekle, Arch., U. B. Bldg., is preparing plans for a 3-story factory building, 300 × 46 ft., which is to be built on Second St. for E. W. Sherman, U. B. Bldg. Cost, $18,000.

Henry Arnstein, of Dayton, is contemplating erection of an automobile factory to be located on the West Side.

CINCINNATI, OHIO.—The Teasdale Drying & Cleaning Works has purchased a lot at Reading Road and Morgan St., and will erect a cleaning plant at a cost of $38,000, including the land.

The Cincinnati Abattoir Co., 312 East Front St., will enlarge its present plant by the erection of new buildings. An issue of $200,000 of stock has been authorized at a meeting of the stockholders. Charles R. Hubbard is Secy.

MOUNT VERNON, OHIO.—Frank L. Packard, Arch., New Hayden Bldg., Columbus, has completed plans for a 2-story power-house, 2-story laundry building, 2-story building for mechanical equipment and 2-story workshop to be built at Mount Vernon, for the Ohio State Tuberculosis Commission. Total cost, $180,000.

FORT WAYNE, IND.—John M. E. Riedel, Arch., Schmitz Bldg., Fort Wayne, advises us that he has prepared plans for a 3-story factory, 60 × 140 ft., for the Foster Shirt Waist Mfg. Co. Estimated cost, $30,000. Bids will be received about June 17.

INDIANAPOLIS, IND.—Plans have been completed by McMeans & Tripp, Engrs., State Life Bldg., for two 2-story canning factories to be erected by Schnull, 110 South Meridian St. The buildings will cost $20,000.

ANDERSON, IND.—The Jenny Electric Mfg. Co., Indianapolis, Ind., is having plans prepared for three 2-story buildings, to cost $50,000, which will be erected here. Charles D. Jenny is Pres., Alva C. Ward is Secy.

EAST ST. LOUIS, ILL.—E. C. Klipstein, Arch., 319 North Fourth St., St. Louis, Mo., will receive bids for a number of 1-story buildings at East St. Louis for the General Roofing Mfg. Co., 17th St., East St. Louis. Cost, $75,000. O. R. Smith is Gen. Supt.

CHICAGO, ILL.—Bids are asked until 1.30 p. m., June 15, by William McLaren, Supt. Pub. Service, Cook County Court-house, for constructing a dry kiln room at the Juvenile Detention Home, 202 Ewing St.

WICHITA, KAN.—The Southwestern Broom Mfg. Co. will erect a building at the corner of 15th St. and Santa Fe Ave., to cost $35,000.

DULUTH, MINN.—The Dewitt Seitz Furniture Co. will erect a 4-story factory building near St. Croix Ave. on Minnesota Point at a cost of $50,000.

FARIBAULT, MINN.—It is stated that the Seth H. Kenney Co. will erect a stock food house, 50 × 50 ft., and a concrete boiler and engine house, 50 × 50 ft., adjoining the cane shed. H. W. Brown is Gen. Mgr.

ST. LOUIS, MO.—Contract has been let by A. F. Haeussler, Arch., 4415 North Market St., to BENJAMIN MAYER for the mason work on a 3-story factory to be built for the Staudte & Rueckoldt Mfg. Co., DeKalb and Soulard Sts., manufacturers of office and store fixtures.

William Levy, Arch., Odd Fellows' Bldg., St. Louis, has prepared plans for a 7-story factory to be built for the Ferguson-McKinney Dry Goods Co., Twelfth and Washington Sts. Estimated cost, $200,000.

KANSAS CITY, MO.—W. F. Lyons, 517 Bryant Bldg., will build an ice plant, 160 × 390 ft., to cost $55,000. C. E. Sample is Engr.-in-Charge, Kansas City.

KANSAS CITY, MO.—Shepard & Farrar, Archs., 208 Minor Bldg., are preparing plans for a 3-story factory building for the Irving Pitt Mfg. Co., J. B. Irving, Pres., 411 East Eighth St. Cost, $40,000.

KANSAS CITY, MO.—W. F. Lyons, 517 Bryant Bldg., will build an ice plant. The building will be 160 × 390 ft. and will cost $55,000. Machinery will have daily capacity of 100 tons and cost $70,000. Equipment will include two 100-KW. direct-connected generators, which have not been purchased. C. E. Sample is Engr.-in-Charge; A. B. Anderson is Arch., New York Life Bldg., Kansas City.

SNYDER, OKLA.—Oles Stofer, Snyder, advises us that the Snyder Ice & Storage Co., recently incorporated, will install a 12-ton ice plant and will erect building, 52 × 74 ft., at a cost of $40,000; cost of machinery, $15,000. The contract for ice machinery has been let to the FRICK CO., 39 Cortlandt St., New York.

TACOMA, WASH.—G. D. Grant & Co. have sold to the Copps Piano Co. of Boston, 104 acres of land at the north end of Lake Steilacoom, where a townsite will be established and a piano factory erected that will employ about 500 men. Homes will be built for the employees. The company is capitalized at $500,000 and among the stockholders are C. W. and J. D. Copps, of Boston; F. R. Hill, Herbert Judson White, George D. Grant and C. E. Bigs of Tacoma.

NIAGARA FALLS, ONT.—The American Cyanide Co. will begin work at once on its proposed plant here. The contract for buildings and installation has been awarded to WESTINGHOUSE, CHURCH, KERR & CO., 10 Bridge St., New York, N. Y.

COBALT, ONT.—Bids are asked by A. J. McGee, Secy.-Treas. of the Temiskaming & Northern Ontario Ry. Comn., Toronto, Ont., until noon, June 17, for constructing an engine house and for alterations and additions to the station, at Cobalt.

MISCELLANEOUS CONTRACTS.

(* *denotes that this work is advertised in Engineering News.*)

U. S. RECLAMATION SERVICE.—All news relative to canal projects, etc., will be found under Water Supply—Irrigation.

*DUST ABATEMENT.—Bloomfield, N. J.—See under Streets and Roads.

MARINE RAILWAY.—Key West, Fla.—See under Electric Railways.

RAILROAD SIDING, GRADING.—Skillman, N. J.—See under Railways—"New Jersey."

RIVER IMPROVEMENTS.—Nebraska City, Neb.—Plans are being prepared by A. M. Munn, Engr., Nebraska City, for improving channel of Little Nemaha River.

CEMENT.—Sherbrooke, Que.—Contract for 3,000 bbls. of cement, to be used on the new power dam on the Magog River, has been given to J. S. MITCHELL & CO., of Sherbrooke.

*LEVEE.—Vicksburg, Miss.—Bids are asked until noon, July 8, by Capt. Clarke S. Smith, Corps Engrs., U. S. A., Vicksburg, for about 511,000 cu. yds. of levee work in the Third District.

*DREDGING, ROCK REMOVAL.—New York, N. Y.—Bids are asked until noon, June 30, by Col. John G. D. Knight, Corps Engrs., U. S. A., for dredging and rock removal in Harlem River, N. Y.

REMOVING OBSTRUCTION.—Detroit, Mich.—Bids are asked by Benj. F. Guiney, Secy. Bd. Water Comrs., until noon, June 23, for the removal of an obstruction in the Detroit River at the foot of Orleans St.

DERRICKS.—Brooklyn, N. Y.—Bids are asked by Bird S. Coler, Pres. Boro. Brooklyn, until 11 a. m., June 17, for furnishing and delivering six steel frame traveling derricks with vertical gasoline hoisting engines.

BREAKWATERS.—Coburg, Ont.—Bids are asked until June 29 by Fred. Gelinas, Secy. Dept. Public Works, Ottawa, for constructing two breakwaters at Coburg. J. G. Sing, Engr., Confederation Life Bldg., Toronto.

*ELECTRO-MAGNETIC BRAKES.—Washington, D. C.—Bids are asked by the District Commissioners until noon, June 20, for supplying and installing electro-magnetic brakes on the Anacostia River bridge draw, D. C.

DREDGING.—Fort Trumbull, Conn.—Bids are asked until June 15 by Maj. R. M. Schofield, Constr. Q. M., U. S. A., New London, for dredging around wharf at Fort Trumbull to a minimum depth of 15 ft. (about 6,050 cu. yds.).

REVETMENT.—Manistikue, Mich.—Bids are asked until June 22 by Maj. W. V. Judson, Corps Engr., U. S. A., Milwaukee, Wis., for building plank crib revetment, removing old pier, and dredging at Manistique Harbor, Mich.

*SEAWALL, JETTIES.—Fort Screven, Ga.—Bids are asked by the Quartermaster, Fort Moultrie (Moultrieville post-office), S. C., until noon, June 24, for constructing reinforced-concrete seawall and riprap jetties at Fort Screven.

DITCH.—Bluffton, Ind.—H. B. Sark, County Surv. and Supt. of Constr., states that the contract for constructing ditch in Jackson Township has been awarded to SAMUEL BUTLER, of Decatur, at $3,297. Bids received on May 30.

POSTS, WIRE.—Sulphur, Okla.—Bids are asked by A. R. Greene, Supt. Platt National Park, Sulphur, for furnishing fence material as follows: About 5,440 Bois d'arc posts, 6 ft. long, 4 ins. in diameter and best galvanized wire, about 10,880 lbs.

VACUUM CLEANING SYSTEM.—Chicago, Ill.—Bids are asked by James Knox Taylor, Supervis. Arch., Treasury Dept., Washington, until 3 p. m., July 10, for installation of vacuum cleaning system for U. S. post-office and court-house building, Chicago.

*COAL.—New York, N. Y.—Bids are asked until June 23 by Col. W. L. Marshall, Corps Engrs., U. S. A., for furnishing and trimming into U. S. dredges during the twelve months beginning July 1, about 48,000 tons of bituminous coal.

WHARF.—New London, Conn.—The New England Navigation Co. has given a contract to the T. A. SCOTT CO., of New London, for erection at Watch Hill of a new wharf, especially for steamer "Block Island," which runs between this city, Watch Hill and Block Island.

TELEPHONE PLANT.—Ogden, Utah.—The Ogden Telephone Co. has awarded contract for building complete plant to the CENTURY TELEPHONE CONSTRUCTION CO., 1738 Elmwood Ave., Buffalo, N. Y. Estimated cost, $16,000. H. Arthur Nichols is Secy. Telephone Co.

ASH-HANDLING PLANT.—Philadelphia, Pa.—Bids are asked until 11 a. m., July 11, by the Bureau of Yards and Docks, Navy Dept., for installing a coal and ash-handling plant, Navy Yard, Philadelphia. Specifications are on file at office of Engineering News, New York.

DUCK BAGS.—Columbus, Ohio.—All bids received on June 1 by the Board of Public Service for 18,000 duck bags for the water purification works, Columbus, have been rejected as being informal. New bids are asked until June 17. John H. Gregory, Engr.-in-Charge.

RACE TRACK.—Winston, N. C.—Bids are wanted by the Piedmont Park Co. for constructing a race track, involving the removal of about 32,000 yds. earth and other work incidental to same. Plans and specifications may be had upon a deposit of $5. Wm. N. Reynolds, Pres.

PARK.—New York, N. Y.—The creation of a new park alongside Riverside Drive, between 155th and Dyckman Sts., and a change of route, together involving an expenditure estimated at $7,560,000, was authorized on May 23 by the Board of Estimate and Apportionment.

LEVEES.—Bryan, Tex.—At recent meeting the following planters organized to build levees: J. O. Chance, T. R. Batte, J. L. Fountain, E. J. Fountain, J. W. Coulter, J. E. Butler, G. S. Parker J. K. Parker J. W. English, J. L. Batte and Lew Nash (colored).

DITCH.—St. Paul, Minn.—Bids were received by G. A. Ralph, State Engr., on June 2, for the construction of Judicial ditch No. 1 in Aitkin, St. Louis and Itasca Counties, containing 394,780 cu. yds. Contract was awarded to O. F. DOYLE, of St. Cloud, Minn., at 7.9 cts. a cu. yd.

FILLING PRIVILEGE.—New York, N. Y.—Bids are asked by the Department of Docks and Ferries until noon, June 12, for the right to dump and fill in behind the bulkhead wall recently built on the westerly part of the James slip section, East River, Boro. of Manhattan.

DOCK, WAREHOUSE.—Portland, Ore.—The Spokane, Portland & Seattle Ry. Co. has let contract to the PACIFIC ENGINEERING CO., 500 Lumber Exchange Bldg., Portland, for the construction of a dock and grain warehouse on Willamette River. Estimated cost, $100,000.

STEEL STEAMERS.—Washington, D. C.—Bids are asked until June 25 by the Quartermaster-General, U. S. A., Washington, D. C., for the construction and complete equipment of two, three or four twin-screw steel steamers for Submarine Mine Service of the War Department.

*REVETMENT.—Manistique, Mich.—Bids for furnishing a second order bivalve lens for the White Shoal, Mich., light-station has been awarded by the Engineer, Third Lighthouse District, Tompkinsville, N. Y., to BARBIER, BERNARD & TURRENNE, Paris, France, at $7,600.

FOG-SIGNAL BUILDING.—Portland, Ore.—No bids were received by the Light-House Engr., Portland, on June 1 for furnishing materials and labor for the construction, erection and delivery of a fog-signal building, oil and coal house, fences, walks, tramways, etc., at Cape Arago light station, Ore.

HOSE WAGON.—Hartford, Conn.—Bids for a two-horse hitch combination chemical hose wagon with rubber tires, capable of carrying 1,000 ft. of hose, fitted with one 35-gallon or two 30-gallon chemical tanks, will be received by the Board of Contract and Supply until 11 a. m., June 22. James P. Berry is Secy.

DRY-DOCK.—Bremerton, Wash.—Bids are asked by the Bureau of Yards and Docks, Navy Dept., Washington, D. C., until 11 a. m., July 18, for constructing a concrete and granite dry-dock at the Puget Sound Navy Yard. Specifications are on file at office of Engineering News, New York. R. C. Hollyday, Ch. Bureau.

*JETTY.—Key West, Fla.—Bids were received as follows by Lieut.-Col. Lansing H. Beach, Corps Engrs., U. S. A., on May 23, for jetty work at the northwest entrance to Key West Harbor: R. G. Ross, Jacksonville, Fla., $3.57 per cu. yd.; total, $124,950. Pennsylvania Stone Co., New York, N. Y., $3.75 per cu. yd.; total, $131 250.

DREDGING, ETC.—Bremerton, Wash.—Bids are asked by the Bureau of Yards and Docks, Navy Dept., Washington, until 11 a. m., July 3, for dredging material from the water front, navy yard, Bremerton, Wash. Plans and specifications are on file at office of Engineering News, New York. R. C. Hollyday, Chief of Bureau.

FIRE APPARATUS.—Washington, D. C.—Bids are asked by the District Commissioners until noon, June 23, for furnishing the fire department for the District of Columbia with one fourth-size steam fire engine, one second-size steam fire engine, one chemical engine, two combination chemical engine and hose wagons, and one 65-foot aerial hook-and-ladder truck.

WHARVES.—Oakland, Cal.—The Board of Works will report to the City Council on June 16 on plan to construct concrete wall and wharf along north side of the estuary and west shore. Estimated cost, $25,060,000, but it is probable that not more than $5,000,000 will be passed upon this year. F. F. Jackson is Chn. of Wharves and Water Front Committee, City Council.

*LIGHT-HOUSE.—New London, Conn.—Bids were received as follows by the Light-House Engineer, Tompkinsville, N. Y., on June 4 for constructing the proposed Southwest Lodge Light-house, New London, Harbor: T. A. Scott Co., Conn., $73,000; McHarg-Barton Co., N. Y., $81,000; W. W. Lindsay Co., N. Y., $84,000; J. C. Vreeland Building Co., N. Y., $99,908.

FOG-ALARM MACHINERY.—Ottawa, Ont.—Bids are asked by G. J. Desbarats, Acting Deputy Minister of Marine and Fisheries, Ottawa, until noon, July 1, for supplying the machinery required by the Department of Marine and Fisheries for fog alarm purposes during a period of one or three years, at the option of the Minister of Marine and Fisheries.

RETAINING WALL.—Philadelphia, Pa.—The Bureau of Yards and Docks, Navy Dept., is having printed specifications for extension of the retaining wall about the reserve basin at the Navy Yard, League Island, Pa. The type of wall now being constructed will be followed. The appropriation available is $46,000. Plans and specifications should be ready for distribution in about three weeks.

*WHARF.—Boston, Mass.—Bids were received as follows on June 1 by Capt. Ira L. Fredendall, Const. Q. M., 263 Summer St., for the construction of a wharf at Fort Standish, Lovell's Island, Boston Harbor, Mass.: Geo. T. Rendle, 28 School St., Boston, $10,324; Lawler Bros., 16 City Square, Charlestown, $10,400; Wm. L. Miller, Boston, $10,869; Geo. H. Cavanagh, Boston, $11,400; W. H. Ellis, Boston, $14,288.

DRAINAGE WORK.—Dixon, Ill.—Bids probably will be called for this summer by the Commissioners of the Inlet Swamp Drainage District for reconstruction and drainage work. In addition to this work the engineers have recommended 15 automatic flood-gates, headwalls and ca[illegible]-basins for tile and two masonry barr[illegible] in small streams. All work is within [illegible] miles of railway station. For details [illegible] A. M. Shaw, Consult. Engr., 105 Fi[illegible], Dixon.

VESSELS.—Washington, D. [illegible] The Quartermaster-General, U. S. A., W[illegible]gton, D. C., has awarded contracts as f[illegible] for the construction of ten coast ar[illegible] 100-ft. tugs: FORE RIVER SHIPBU[illegible]G CO., Quincy, Mass., at $58,925 each [illegible] eight; and to the WILLAMETTE IRO[illegible] STEEL CO., Portland, Ore., at $57,500 [illegible] for two. No award will be made on the o[illegible] two tugs of the twelve on which bids we[illegible]ked, for the present at least.

STEELWORK.—Washington, [illegible]—Bids were received as follows June 6, [illegible] office of the Superintendent of the U[illegible] Capitol Buildings and Grounds for the [illegible]ruction of steel roofs to the subway sta[illegible] at the House and Senate Office Build[illegible] J. B. Kendall, Washington, $4,855 ea[illegible] E. N. Gray & Co., Washington, $5,200 [illegible] American Bridge Co. Continental T[illegible] Bldg., Baltimore, $8,450 for both; Phoen[illegible]n Co., Philadelphia, $4,795 each.

WHARF.—Portland, Me.—Bids [illegible]re received as follows on June 1 by [illegible] F. J. Morrow, Q. M., U. S. A., Portlan[illegible] constructing (A) wharf and (B) ro[illegible] Fort Lyon, Cow Island, Portland Harb[illegible] Frank H. Marshall, South Portland, Me[illegible] $4,380; McHale & Perkins, Boston, [illegible] (B) $5,490, (A) $14,893; Angelo Lorello [illegible]ortland, (B) $6,900; Philip H. Doyen, Por[illegible], (A) $11,371; W. F. Bennett & Son, Por[illegible]nd, (A) $16,300; Sylvester I. Hill, Port[illegible], (A) $9,840.

LUMBER.—Reading, Pa.—Bids [illegible]re received by the County Commissioners on June 1 as follows for furnishing 40,000 feet B. M. 3-in. white oak planks to replank Penn St. bridge, the planks to be not less than six nor more than 12 ins. wide and 10 ft. long: Paul M. Lengel, $28.40 per M. ft.; D. C. Kalbach & Bro., $29.98; C. D. Ku[illegible]z & Son, $31.25; MAHLON WINTERS, Centreport, $27.50, and four weeks in which to complete the work (awarded contract); Penn Planing Mill Co., $34.

FIRE HOSE.—Toronto, Ont.—The GUTTA PERCHA AND RUBBER MFG. CO., 47 Yonge St., Toronto, have been awarded the contract for a supply of hose for the high pressure fire system as follows: 4,000 ft. of 3½-in. Eureka, four-ply cotton rubber-lined hose at $1.68 per ft.; 3,500 ft. of 2½-in. Paragon, three-ply cotton rubber-lined hose, at 95 cts. per ft., and 500 ft. of 2-in. Eureka Mill, cotton rubber-lined hose, at 43 cts. per ft. The CANADIAN RUBBER CO., Imperial Bank Bldg., Montreal, will supply 1,500 ft. of 2½-in. Keystone, wax and gum treated fire hose, at 95 cts. per ft.

DEEP-WATER HARBOR.—New Westminster, B. C.—Francis Le Baron, 812 Park Bldg., Cleveland, Ohio, has prepared plans, which have been approved and accepted by the Dominion Government, for the construction of a deep water harbor at New Westminster. The work will consist of paralleling jetties, each five miles long, built of logs and brush and riprap rock; also numerous groynes and spur dams and bank protection. Work will commence in July under a continuing appropriation. Total cost, $3,250,000; first year, $275,000. Geo. A. Keefer, of New Westminster, is Dominion Resident Engineer of Public Works.

TELEPHONE SUPPLIES.—Winnipeg, Man.—The Provincial Department of Telephones has let contracts as follows for supplies to be used in construction work this year: Contract for the wood side brackets was let to the NORTHERN ELECTRIC CO., of Winnipeg. Cross-arms, E. VESSEL & SONS, Toledo Ohio, and NORTHERN ELECTRIC CO. Toppins, NORTHERN ELECTRIC CO. Insulators, NORTHERN ELECTRIC CO. Copper wire, WIRE & CABLE CO., Montreal. Copper sleeves, F. B. COOK, Chicago. Weather proof iron wire, CANADIAN GENERAL ELECTRIC CO., Montreal. Steel strand wire, W. E. SKINNER, LTD., Winnipeg. Pole line hardware, NORTHERN ELECTRIC CO.

DREDGING.—Ottawa, Ont.—The following dredging contracts for the coming season at different ports in Ontario have been awarded: C. S. BOONE, Toronto—Little Current, Wingfield Basin, Blind River and Collingwood. A. F. BOWMAN—Wiarton, Owen Sound and Penetanguishene. CANADA CONSTRUCTION & DREDGING CO.—Port Burwell and Rondeau. CANADIAN DREDGING & CONSTRUCTION CO.—Midland, Tiffan and Victoria Harbor. W. L. HORTON—Goderich and Kincardine. RANDOLPH McDONALD—Sumtertown. MANLY & CO.—Thames River and Point Edward. PENETANG DREDGING CO.—Waubaushene. W. E. PHIN—Hamilton, Cobourg and Burlington. EDDEL & CO.—Nigger and Telegraph Islands, Meaford and Thornbury. WINDSOR DREDGING CO.—Toronto and Picton.

AIR COMPRESSOR.—Bremerton, Wash.—Bids were received as follows on June 6 by R. C. Hollyday, Ch. of Bureau of Yards and Docks, Navy Dept., Washington, D. C., for furnishing and installing one 5,000 cu. ft. air compressor and accessories at Navy Yard, Bremerton: Sullivan Machinery Co., 1170 West Lake St., Chicago, Ill., $40,877; Laidlaw-Dunn-Gordon Co., 115 Broadway, New York, $27,100; Nordberg Manufacturing Co., Oklahoma Ave., Milwaukee, Wis., $35,296; Allis-Chalmers Co., Milwaukee, Wis., $44,325, $42,075 (alternate). (If awarded this contract in connection with contract for duplicate air compressor and accessories for Philadelphia Navy Yard, Specification No. 1586, will accept reduction of either of the above bids of $2,250).; Ingersoll Rand Co., 11 Broadway, N. Y., $28,974.

RIVER IMPROVEMENTS.—Washington D. C.—The District Commissioners have forwarded to Vice-President Fairbanks the report of the Wharf Commission appointed two years ago, declaring the shore line conditions of Washington both antiquated and deplorable, and saying that no other large city in the world with such admirable river facilities has such an unsightly and impracticable main water front. It is recommended that $567,500 be appropriated for immediate use in making certain urgent improvements which should be completed within six years. The total estimated cost of the improvements recommended is $2,880,000. It is the plan of the commission that $2,775,000 be spent on work in the Washington channel; $25,000 for improvements at Shepherd's Landing and Giesboro Point; $75,000 for the purchase of land between Giesboro Point and Massachusetts Ave., and $5,000 for plans and surveys for the reclamation of the Anacostia River from Massachusetts Ave. to the District line. It is proposed to widen Washington channel 400 ft., so as to give a 1,400-ft. channel, with masonry bulkhead walls, piers and wharves.

*LOCK GATE HOUSE.—Boston, Mass.—Bids were received as follows by the Charles River Basin Commission, 367 Boylston St., Boston, on June 1 for constructing the lower lock-gate house, which is to be built over the lower gate recess at the lock in the Charles River Dam. Hiram A. Miller is Ch. Engr.: HORTON & HEMENWAY, 683 Atlantic Ave., Boston, $37,300 (awarded contract); The Norcross Bros. Co., Worcester, Mass., $39,400; John E. Locatelli & Co., 50 Lowell St., Somerville, $39,428; W. A. & H. A. Root, Inc., 42 Dunlow St., Roxbury, $39,450; L. D. Willcutt & Sons Co., 166 Devonshire St., Boston, $39,490; C. A. Dodge Co., 8 Beacon St., Boston, $39,511; J. W. Bishop Co., 683 Atlantic Ave., Boston, $39,679; Woodbury & Leighton Co., 166 Devonshire St., Boston, $39,797; Walter A. Wentworth Co., 15 Exchange St., Boston, $40,587; L. P. Soule & Son Co., 166 Devonshire St., Boston, $40,610; Ernest L Sampson, 14 Chilton St., Plymouth, $43,000; McGahey & O'Connor, 218 Main St., Cambridge, $43.097; Mack & Moore, 166 Devonshire St., Boston, $43,900; W. Fillmore Co., 25 Cherry St., Cambridge, $44,939.

U. S. POSSESSIONS AND CUBA.

SUPPLIES.—Manila, P. I.—Bids are asked by the Dépot Quartermaster, New York, until June 15, for furnishing various supplies for the Manila sewerage and water systems, under Abstract No. 4694.

RESERVOIRS.—Valdez, Alaska.—The Alaska Water, light & Telephone Co. has been granted a 25-year franchise in Valdez. The company has a hydro-electric plant at Solomon Basin, and will construct several large reservoirs during the summer to provide a supply of water for use during the low-water period during the cold weather.

TIE PLATES.—Panama.—Bids were received as follows June 2, at the office of the Isthmian Canal Commission, for 200,000 tie plates for 70-lb. rails: Fox Bros. & Co., 136 Lafayette St., New York, $15,480; R. C. Hoffman & Co., Baltimore, $13,695; Pittsburg Forge & Iron Co., Pittsburg, $13,353; Elyria Iron & Steel Co., Elyria, Ohio, $11,887; United States Steel Products Export Co., 50 Church St., New York, $12,739.

BARGE.—Panama.—Bids are asked by the General Purchasing Officer, Isthmian Canal Commission, Washington, D. C., until 10.30 a. m., July 3, for furnishing one submarine drill barge. Blanks and general information relating to this Circular (No. 447) may be obtained from Washington office or the offices of the Assistant Purchasing Agents, 24 State St., New York City; Custom House, New Orleans, La.; also from the U. S. Engineer Offices in the following cities: Baltimore, Md.; Philadelphia, Pa.; Pittsburg, Pa.; Boston, Mass.; Buffalo, N. Y.; Cleveland, Ohio; Cincinnati, Ohio; Chicago, Ill.; St. Louis, Mo.; Detroit, Mich.; Milwaukee, Wis.; St. Paul, Minn.; Chattanooga, Tenn.; Louisville, Ky., and Mobile, Ala. Lieut.-Col. H. F. Hodges, Corps of Engrs., U. S. A., Gen. Pur. Officer.

PIPE.—Panama.—Bids were opened as follows June 9 at the office of the Isthmian Canal Commission, Washington, D. C., for pipe as follows (a) 330,000 ft. galvanized wrought-iron or steel pipe, ¼ to 2½ ins.; 91,000 ft. galvanized wrought-iron pipe, 3 to 10 ins.; 111,000 ft. black wrought-iron or steel pipe, ½ to 2 ins.; 32,000 ft. black wrought-iron pipe, 4 ins. to 9 ins.; (b) 183,000 ft. wrought-iron pipe, extra strong, ½ to 8 ins.: Central Metal & Supply Co., 609 East Lombard St., Baltimore, (a) part, $31,562. J. B. Clow & Sons, 342 Franklin St., Chicago, (a) $81.859; (b) $51,566. Cornell & Underhill, 43 Beach St., New York, (b) $50,091. Cuyler & Mohler, Baltimore, (a) $86,831; (b) $52,980. Pancoast, Rogers & Richards, 28 Platt St., New York, (a) $75,078; (b) $44,266. Susquehanna Iron Co., Columbia, Pa., (a) part, $17,196; (b) $48,398. United States Steel Products Export Co., 50 Church St., New York, (a) $82,768. J. P. Campbell, Youngstown, Ohio, (a) $74,260; (b) $47,063.

FOREIGN CONTRACTS.

(To insure prompt attention, letters upon consular business should be addressed to the American Consul at ———, ——— Such letters are opened and attended to by the person that may be in charge of the office. If addressed to the consul, personally, letters are forwarded to him, unopened, should he be absent, and a delay thus intervenes. If, in the meantime, he should have gone out of office the matter may wholly escape attention.)

RAILWAY MATERIAL.—Siam.—Bids are requested by the Royal Siamese State Railways, Bangkok, until 10 a. m., Oct. 1, for the following material: 75,000 pairs of fishplates; 300,000 fishbolts and nuts; 2,100,000 spikes; 270,000 bearing plates; 360,000 spring washers of crucible steel; all of mild Bessemer steel.

BRIDGE CONSTRUCTION.—Egypt.—Bids are asked until 10 a. m., July 1, by the Inspector of Irrigation, Asyut Barrage Circle, Asyut for the construction of a road-bridge over the Ibrahimieh Canal at Beni Korra. The bridge is to have four meters roadway and an open span of nine meters clear. The work is to be completed by July 1, 1909.

QUAY.—Belgium.—Bids are asked until June 25 by M. Jacquemin, Ingenieur en Chef, Directeur des Ponts et Chaussées, Rue Forgeur, 2, Liege, for construction of new quay walls along left bank of the Escaut (Scheldt), at Tamise. Estimated cost, about $76,600.

SUBMARINE TELEGRAPH CABLE.—Spain.—Bids will be asked during the present year by the Government for the construction and installation of the new submarine telegraph cable from Cadiz to Teneriffe, thence to Gran Canaria, Palma y Gomera, from the latter island to Hierro, from Gran Canaria to Fuerteventura and from thence to Lanzarote. The total cost is not to exceed 5,000,000 pesetas (about $1,000,000), is to be distributed over two years. Local representation is necessary.

RAILWAYS.—Belgium.—Bids are asked by the Société Nationale des Chemins de Fer Vicinaux, Rue de la Science, 14, Brussels, on the following dates for railway construction: June 24—Construction of the local railway from Maeseyck to Molenbeersel (frontier); estimated cost, 113,623 francs (about $22,700); deposit, 11,000 francs. July 15—Construction of the section from Ghent (Rabot) to Tronchienne (cemetery) of the local railway Ghent-Nevele-Ruysselede; estimated cost, 67,775 francs (about $13,500); deposit, 7,000 francs. July 1—Construction of the local railway from Olloy to Oiginies; estimated cost, 255,357 francs (about $51,000); deposit, 25,000 francs.

BRIDGES.—Egypt.—The Egyptian Government has awarded contract to the COMPAGNIE DE FIVES, of Lisle, France, at $1,493,405, for the construction of two bridges to connect Bulak, the industrial quarter of Cairo, and Embaba, on the western bank of the Nile. The new bridge, which will be located at the deepest part of the Nile and will lead direct to the site where the Bulak Museum stood, is to be built in accordance with plans prepared by the late Sir Benjamin Baker, of London, the engineer of the great Forth bridge, Scotland, and the SCHERZER ROLLING LIFT BRIDGE CO., 220 Broadway, New York, the latter company also furnishing consulting engineering services during erection. The entire work is to be executed under the charge of the Ministry of Public Works of the Egyptian Government and it is expected that the bridge will be completed before the end of 1910. Noted on May 21.

CONTRACT PRICES.

[Where * precedes items under Contract Prices the work was advertised in Engineering News.]

*STORMWATER SEWERS.—Gulfport Miss.—Bids in detail were received as follows on May 26 for constructing storm-water sewers. M. F. Sullivan, City Engr. Bidders were: (A) J. W. GURLEY & CO., Mobile, Ala. (awarded contract); (B) Irwin Bros., New Orleans, La.; (C) C. M. Burkhalter, Birmingham, Ala.; (D) Pouncy Paving & Construction Co., Helena, Ark.:

	(A)	(B)	(C)	(D)
17 Manholes, 0′-6′ depth	$35.00	$40.00	$40.00	$40.00
4 manholes, 6′-8′ depth	37.00	46.00	45.00	50.00
2 manholes, 8′-10′ depth	43.00	49.00	50.00	75.00
36 C-basins	29.00	46.00	35.00	40.00
10 G-basins	23.00	17.00	25.00	35.00
2,800 lin. ft. 24″ pipe, 0′-6′ cut	1.97	2.00	2.00	3.00
100 lin. ft. 24″ pipe, 6′-8′ cut	2.07	2.30	2.50	3.00
340 lin. ft. 20″ pipe, 0′-6′ cut	1.61	1.60	1.75	2.25
950 lin. ft. 18″ pipe, 0′-6′ cut	1.26	1.30	1.50	2.00
1,200 lin. ft. 15″ pipe, 0′-6′ cut	.97	1.00	1.15	1.75
2,500 lin. ft. 12″ pipe, 0′-6′ cut	.69	.80	1.00	1.25
3,700 lin. ft. 10″ pipe, 0′-6′ cut	.47	.60	.70	1.00
2,100 lin. ft. 8″ pipe, 0′-6′ cut	.43	.39	.60	.70
1,500 lin. ft. 6″ pipe, 0′-6′ cut	.19½	.27	.40	.50
50 cu. yds. extra excavation, 0′-6′ cut	.25	.50	.60	1.00
50 cu. yds. extra excavation, 6′-8′ cut	.35	.60	.75	1.50
10,000 ft. B. M. lumber	15.00	24.00	15.00	20.00
10,000 ft. B. M. lumber	12.00	14.00	15.00	17.00
1 concrete bulkhead	30.00	80.00	50.00	100.00
1 concrete bulkhead	30.00	80.00	50.00	100.00
5 cu. yds extra concrete masonry	6.00	8.00	10.00	10.00
5 cu. yds. extra brick masonry	7.00	11.00	10.00	12.00
20 sq. yds. cement sidewalks	.90	1.25	1.00	1.50
Totals	$15,837	$17,756	$19,257	$26,215

*PAVING, CURBING.—Gulfport, Miss.—Bids were received on May 26 by the Mayor and Board of the City for constructing complete street pavements, concrete curb and gutter, and granite curbing. M. F. Sullivan is City Engr. Bids in detail were as follows: (A) Graves-Matthews Shale Brick Co., Birmingham, Ala.; (B) Copeland-Inglis Shale Brick Co., Birmingham, Ala.; (C) Southern Paving & Construction Co., Chattanooga, Tenn.; (D) West Construction Co., Chattanooga, Tenn.; (E) Crockett Paving Co., Birmingham, Ala.; (F) Southern Bitulithic Co., Nashville, Tenn.; (G) Barber Asphalt Co., Philadelphia; (H) Rudolph S. Blome, Chicago:

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)
Paving:								
40,000 sq. yds. brick paving, grout filler	$2.15	$2.23	$2.23	$2.20	$2.47	....	....	....
5,000 sq. yds. brick paving (alley), grout filler	1.57	1.65	1.68	1.73	1.87	....	....	....
40,000 sq. yds. brick paving, sand filler	2.07	2.13	2.15	2.14	2.37	....	....	....
5,000 sq. yds. brick paving (alley), sand filler	1.57	1.65	1.68	1.73	1.87	....	....	....
40,000 sq. yds. creosoted blocks	....	....	....	2.40	2.54 & 2.63	$2.81	....	....
5,000 sq. yds. creosoted blocks (alley)	....	....	....	1.73	1.87	2.00	....	....
40,000 sq. yds. bitulithic paving	....	....	....	....	....	2.28	....	....
5,000 sq. yds. bitulithic paving (alley)	....	....	....	....	....	2.00	....	....
40,000 sq. yds. asphalt paving	....	....	....	....	....	....	$2.17	....
40,000 sq. yds. bituminous macadam paving	....	....	....	....	....	....	2.24	....
40,000 sq. yds. granitoid paving	....	....	....	....	....	....	....	$2.04
5,000 sq. yds. granitoid paving (alley)	....	....	....	....	....	....	....	1.54
Curbing:								
14,000 lin. ft. concrete curb and gutter	.58	.65	.63	.70	.58	.55	.57½	.57
1,400 lin. ft. curved con. curb & gutter, 20′ rad.	.94	.95	.93	.70	.65	.85	1.56	.90
14,000 lin. ft. straight concrete curb	.37	.44	.40	.40	.35	.40	.50	.40
1,400 lin. ft. curved concrete curb, 20′ rad.	.73	.73	.70	.50	.49	.70	.90	.70
14,000 lin. ft. straight granite curb, 18″ depth	.44	.49	.50	.55	.49	.55	.63	.58
1,400 lin. ft. curved granite, 18″; 20′ rad.	.45	.54	.50	.78	.59	.55	.92	.78
8,500 lin. ft. straight 16″ granite	.42	.47	.46	.52	.46	.50	.63	.57
125 lin. ft. curved 16″ granite; 4′ rad.	.43	.52	.46	.75	.56	.50	.92	.75
6,800 lin. ft. straight 14″ granite	.38	.45	.37	.50	.43	.50	.55	.55
90 lin. ft. curved 14″ granite; 3′ rad.	.39	.50	.37	.70	.53	.50	.90	.70
40 lin. ft. curved 14″ granite; 2′ rad.	.39	.50	.37	.70	.53	.50	.90	.70
Totals	*$122,536 $119,836	$129,863 $125,863	$128,534 $125,334	$130,527 $128,027 $138,527	$127,425 $133,425 $140,225 $143,825	$154,117 $132,917	$124,720 $127,539	$123,102

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*Awarded contract.

Readers' Wants

If you are in the market for material, equipment or supplies, and fail to find it in our advertising pages, send us full particulars, and we will gladly put you in touch with the right parties.

PORTABLE HOUSES.—Este Veneto, Italy.—We are advised by A. Corazza, Este, Veneto, Italy, that he desires information regarding American manufacturers of portable buildings.

PAPER MAKING MACHINERY.—New York, N. Y.—Suffern & Co., 90 Wall St., New York, desire information concerning paper-making machinery and an estimate for complete plant for export to the Far East.

GAS GENERATING PLANT.—Brooklyn, N. Y.—We are in receipt of advices from the Samuel Mundheim Co., Brooklyn, N. Y., stating that they are desirous of securing names of manufacturers of gas generating plants.

HAND CARTS.—Carlisle, Pa.—Clarence J. Bingham, Boro Engr., Carlisle, Pa., writes us for information concerning hand push carts for street sweepings and desires catalogs and prices.

GASOLINE RAILWAY CARS.—Raleigh, N. C.—We are requested by John A. Park, Raleigh, N. C., to send him the names of manufacturers who make gasoline railway cars carrying 20 to 25 passengers with baggage and mail compartments.

PUMPING MACHINERY.—Grosse Isle, MICH.—We are in receipt of a letter from A. S. Robinson, Grosse Isle, Mich., requesting information concerning pumps for lifting water by means of air jets.

ENGINEERING CATALOGS.—Le Mars, Iowa.—D. L. Yarnell, Asst. City Engr., Le Mars, Iowa, writes us that he desires trade catalogs and literature relative to municipal and general engineering.

DITCHING MACHINE.—Amherst, N. S.—A. C. Cutten, Box 442, Amherst, N. S., writes us for information concerning a small traction ditching machine that would work to advantage on drainage ditches of an average depth of two feet.

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CIVIL SERVICE EXAMINATIONS.

ASSISTANT COINER.—New Orleans, La.—The U. S. Civil Service Commission announces an examination on July 1 to secure eligibles from which to make certification to fill a vacancy in the position of Assistant Coiner, Mint and Assay Service, New Orleans, La., at $1,900 a year, and vacancies requiring similar qualifications as they may occur in that service throughout the United States. Age limit, 20 years or over. Application Forms 1371 and 375.

FORTIFICATION DRAFTSMAN.—San Francisco, Cal.—The U. S. Civil Service Commission announces an examination on July 8-9, to secure eligibles from which to make certification to fill a vacancy in the position of Fortification Draftsman, Engineer Dept.-at-Large, San Francisco, Cal., at an entrance salary of $1,500 a year, and vacancies requiring similar qualifications as they may occur. Age limit, 18 years or over. Application form 1312. Application must be filed prior to June 28.

TECHNICAL ASSISTANT IN PHARMACOLOGY.—Washington, D. C.—The U. S. Civil Service Commission announces an examination on July 1 to secure eligible from which to make certification to fill a vacancy in the position of Technical Assistant, Division of Pharmacology, Hygienic Laboratory, Public Health and Marine-Hospital Service, at $150 a month, and vacancies requiring similar qualifications as they may occur in any branch of the service. Age limit, 20 years or over. Application Form 304.

CLERK-DRAFTSMAN.—Nevada-Montana.—An examination will be held by the U. S. Civil Service Commission on June 17-18 to secure eligibles from which to make certification to fill two vacancies in the position of Draftsman, at $4 a day each, in the office of the surveyor-general of Nevada, at Reno; two vacancies at the same salary in the office of the surveyor-general of Montana, at Helena, and vacancies requiring similar qualifications as they may occur in the General Land Office Service. Age limit, 20 years or over. Application Form 1312.

ASSISTANT CHEMIST.—Washington, D. C.—The U. S. Civil Service Commission announces an examination on July 1 to secure eligibles from which to make certification to fill a vacancy in the position of Second Assistant Chemist (thoroughly familiar with chemistry, water bacteriology, and water microscopy), Engineer Department at Large, for duty at the Washington, D. C., filtration plant, at $1,000 a year, and vacancies requiring similar qualifications as they may occur. Age limit, 20 years or over. Application Form 1312.

ELECTRICAL ENGINEER AND MECHANICAL DRAFTSMAN.—Washington, D. C.—The U. S. Civil Service Commission announces an examination on July 22-23-24 to secure eligibles from which to make certification to fill one or more vacancies in the position of Electrical Engineer and Mechanical Draftsman, at an entrance salary of from $100 to $200 a month, in the Reclamation Service, and vacancies requiring similar qualifications as they may occur. Eligibles from this examination may be appointed as electrical engineers or assistants for the design, installation, or operation of hydro-electric and steam power plants in the West, or as mechanical draftsmen for office work and drafting in connection with preparation of plans. Age limit, 25 to 45 years. Application Form 1312.

TEACHER, ASSISTANT.—Philippines.—The U. S. Civil Service Commission invites attention to the fact that applications for the examinations indicated above may now be filed. When a date for the examinations is determined, all persons having applications on file will be notified to report for examination. The entrance salary of the majority of male appointees will be $1,200 a year, although some appointments may be made at salaries of $1,000 or $1,100, based upon the experience and the relative standing in the examination, and they will be eligible for promotion up to $2,000 a year for teachers. Eligibility in the assistant examination is required for promotion to the positions of division superintendent, which carry salaries ranging from $1,600 to $3,000. Men only will be admitted to the examination for assistant. Women will not be admitted to the teacher examination unless they are the wives, immediate relatives, or fiancees of men examined for teacher or assistant or appointed to or already employed in the Philippine Service as teacher. Age limit, 20 to 40 years. Application Forms 2 and 375.

DRAFTSMEN; ENGINEERS, INSPECTOR.—Albany, N. Y.—The State Civil Service Commission will hold examinations on June 27, 1908, for the following positions: Architectural Draftsman, $1,200 to $1,800; Engineering Draftsman (railroad and concrete work), $1,200 to $1,800; Structural Draftsman, $1,200 to $1,800, and Junior Draftsman (engineering and structural), $720 to $1,200; Public Service Commission, First District; Assistant in Sociology, State Library, $1,200; Assistant Steam Engineer, State and County Service, $600 to $900 and maintenance; Chainman, $2.50 to $3 a day; Fisheries Protector, Bureau of Marine Fisheries, $1,300 and expenses; Inspector or Lecturer, Education Department, $2,500; Superintendent of State Hospital Training School, $1,200 and maintenance. The last day for filing applications for these positions is June 20th. Applications will also be received to and including July 1st for the positions of Chief of Division of Trades Schools in the State Education Department, salary possibly $3,000, and Vice-Director of Library School, State Library, salary $2,500. The last named position is open to men and women. Full information and application forms for any of these examinations may be obtained by postal card request to Charles S. Fowler, Chief Examiner, Albany.

TRADE PUBLICATIONS.

SOUND DEADENER OR INSULATOR.—H. W. Johns-Manville Co., 100 William St., N. Y. Paper; 5½ × 3½ ins.; pp. 10; illustrated.

The "Keystone Insulator" with hair cushion is offered as especially applicable to frame buildings.

DUMP-WAGONS.—F. H. Hieber Wagon Mfg. Co., Pittsburg, Pa. Paper; 12½ × 10 ins.; pp. 16; illustrated.

The Victor dump-wagon is brought to the attention of contractors in a well illustrated pamphlet. Simplicity of construction and ease of manipulation are pointed to in its dumping device.

BELT MANUFACTURE AND PRICE-LIST.—Graton & Knight Mfg. Co., Worcester, Mass. Paper; 3½ × 6½ ins.; pp. 24; illustrated.

Under the title "Glimpses of Modern Belt Making" these manufacturers issue a well written and arranged booklet describing their method of turning hides into belts. Price-list and some mechanical rules are appended.

HAWKES POWER AND HEATING BOILERS.—Traylor Engineering Co., New York City. Paper; 6¾ × 9¾ ins.; pp. 20; illustrated.

The Hawkes Boiler is a combination of the horizontal return tubular and the water tube type, embodying, according to the manufacturers, the best features of both and presenting numerous advantages of construction and efficiency.

DRY-EARTH CLOSETS.—Moule's Patent Earth Closet Co., Ltd., 5a Garrick St., London, W. C., England. Paper; 5½ × 8½ ins.; pp. 24; illustrated.

Those living in the country, or in communities not yet provided with sewerage systems, will find much to interest them in this pamphlet, which is devoted to recent developments of the dry-earth closet invented years ago by the Rev. Mr. Moule.

PETROLITHIC PAVEMENTS AND ROLLERS.—The Petrolithic Pavement Co., 764 Pacific Electric Building, Los Angeles, Cal. Paper; 9 × 5¾ ins.; pp. 89; illustrated.

The petrolithic pavement and the tamping roller used in building it are California products, which, by the increasing size of the catalogs issued by this company, seem to be growing rapidly in favor in Southern California. Heavy oils are used to bind the gravel, and the tamping roller to compact the mixture.

ENGINEERING SPECIALTIES.—The Lunkenheimer Co., Cincinnati, Ohio. Linen; 5 × 7¼ ins.; pp. 564; illustrated.

This well-known company in issuing a complete catalog of its 1908 output of valves, whistles, cocks, gages, injectors, lubricators, oil pumps, etc., announces the addition of new features to its stock, manufacturing plant and supply facilities. The catalog is well printed, its subject is fully treated in clear, concise manner, well illustrated with sketches and half tones, and forms within its scope, an engineer's handbook which will be found useful by all interested in machine specialties.

REINFORCED-CONCRETE BRIDGES.—National Bridge Co., Indianapolis, Ind. Paper; 6 × 9 ins.; pp. 146; illustrated.

Mr. Daniel B. Luten, the president of this company, and the inventor of the many patents it holds, is one of the most experienced and successful concrete bridge builders and designers in this country. The vast amount of work that his company has done in the past ten years is well illustrated by this annual catalog, which contains photographs of many hundred concrete bridges built under their supervision. It is a striking example of the popularity of the concrete arch.

DIRT REMOVAL.—George W. Jackson, Inc., Chicago, Ill. Paper; 8 × 11 ins.; pp. 36; illustrated.

George W. Jackson, Inc., the well-known contractors of Chicago, have made arrangements with the Illinois Tunnel Co. of that city whereby this tunnel may be used for the disposal of earth in excavating foundations throughout the business district of Chicago. The series of tunnels under control of the company are of small bore and cover most of the down town district of Chicago, coming out finally at the Lake, where the earth may be carried away on barges. A unique system has been built up by the Jackson Co. and this pamphlet describing it should be of great interest to all Chicago builders as well as others interested in novel developments in the building world.

A WORLD-WIDE CONTRACTING BUSINESS.—J. G. White & Co., New York City. Heavy paper; 8 × 10½ ins.; pp. 82; illustrated.

Under the title "At Work Around the World," this well-known firm issues an exceptionally fine summary of its organization, history and present activities, profusely illustrated with half-tones and a map of the world, the latter indicating the localities of larger contracts. Four companies, J. G. White & Co., Inc., of New York, J. G. White & Co., Ltd., and The Waring White Building Co., Ltd., of London, and The Canadian White Co., Ltd., of Montreal, are associated to design, construct, supervise, operate and on occasion finance building and engineering undertakings of any size and in any country. Steam and electric railways, light and power plants, industrial plants, harbor and water-works and all types of building construction are concisely described and illustrated in the booklet, emphasizing the fact that the technical staff and practical organization of the combined firm is equal to any work that can be proposed. The value of work at present in hand is given as $50,170,000.

INCANDESCENT ELECTRIC LAMPS.—General Electric Co., Schenectady, N. Y. Paper; 8 × 10½ ins.; illustrated.

Bulletin No. 4,561 is a 16-page pamphlet on illumination with G. E. M. lamps and Holophane Shades. Several desirns of fixtures by The Dale Co., New York City, the Cleveland Gas and Electric Fixture Co., Conneaut, Ohio, Mitchell Vance Co., and the Enos Co., New York City, especially adapted for Holophane globes, are printed.

Bulletin No. 4,566 describes some new types of tantalum lamps now on the market rated for 40, 50 and 80 watts. The 40 and 50-watt types replace the former 44-watt lamp. The 50-watt lamp will enable stations to maintain their output per lamp the same as with the present 16-c.-p. lamp, and give the customer 50% increase in the candle-power. A table is given showing the saving secured for 750 hours of service at various loads per KW.-hr. An illumination table in foot candles for various types of reflectors and distances is given, as well as many illustrations of the different lamps, fitted with Holophanes, accompanied by candle-power distribution curves.

Bulletin No. 4,570 illustrates the tungsten lamp for 100 to 125-volt circuits. The lamp is made in 40, 60 and 100 watts, and has a life of approximately 800 hours when used on either alternating or direct current. Some of the illustrations show the tungsten incandescent units combined with Holophane globes.

The General Electric Tungsten Lamp has found a very valuable application in street lighting when installed with the series incandescent system, using constant-current automatic regulating transformers as developed by the General Electric Company. The General Electric Co. has issued Bulletin No. 4,571 especially devoted to this specific use and to the types of lamps suitable for this service. Prices, candle-power distribution curves, illustrations of the lamp and ornamental brackets used in street lighting are given. The lamps are rated at an efficiency of 1¼ watts per candle-power, with an estimated life of approximately 1,000 hours. The ampere range of the various types of lamps is from 3.7 to 8 and the candle-power from 32 to 60. The 32-c.-p. lamp has an average total watts of 40, and the 60-c.-p. lamp, 75. The main lamp sales offices of the General Electric Co. are at Harrison, N. J.

For other Proposal Adverti ements see pages 43, 44, 45, 47, 50, of Advertisements and Construction News page 206.

BRIDGE.

Dayton, O.

Sealed proposals will be received at the office of the Clerk of the Board of Public Service of the City of Dayton, Ohio, until 12 o'clock noon, Wednesday, July 8, 1908, for the construction of a concrete-steel bridge (Melan System) across the Great Miami River, at Stratford Ave., in accordance with plans and specifications on file in the office of the City Civil Engineer. Plans may be seen on and after June 22d, at the offices of the City Civil Engineer, Dayton, Ohio, the Concrete-Steel Engineering Company, Park Row Building, New York, the Engineering News Publishing Co., New York and Chicago. Plans and specifications will be furnished on written request accompanied by a certified check for $25.00 payable to the order of the Clerk of the Board of Public Service. Checks for plans will be returned to all persons submitting proposals, upon the return of the plans.

Length of bridge between abutments 685 feet.

Width of roadway 40 feet; width of sidewalks, 9 feet.

All bids must be made upon printed forms to be obtained at the office of the City Civil Engineer and enclosed in a sealed envelope, directed to the Board of Public Service, Dayton, Ohio, and endorsed upon the outside of the envelope "Proposals for Dayton View Bridge at Stratford Avenue, Dayton, Ohio."

A certified check on a National Bank payable to the order of the Clerk of the Board of Public Service for $5,000.00 without any condition whatever endorsed thereon, will be required of each bidder as a guarantee that if the bid is accepted, contract will be entered into, and the performance thereof properly secured.

The Board of Public Service reserves the right to reject any and all bids, or waive defects in bids in the interest of the City.

By order of the Board of Public Service,
J. C. ELY, President.
WM. A. BUDROE,
Clerk of the Board of Public Service.
FRED. J. CELLARIUS,
City Civil Engineer.

AIR LIFT PUMPING PLANT.

Galveston, Tex.

Sealed proposals will be received by the City Commissioners of the City of Galveston, at the office of the City Secretary, until 12 o'clock M., Thursday, July 2, 1908, and opened at the first regular of special City Commissioners meeting thereafter, for furnishing, delivering and erecting the complete mechanical equipment of an air lift pumping station at Alta Loma, Texas, consisting of:

One (1) 1,200 cubic feet air compressor.
One (1) 700 cubic feet air compressor.
One (1) 200 horse-power water tube boiler.

All necessary accessories, including about 16,615 feet of air pipe to wells.

In accordance with specifications on file in the office of the City Engineer of Galveston, and in the office of Harry Pennington, Consulting Engineer, Houston, Texas.

Each proposal must be submitted in duplicate and accompanied by a certified check, payable to the order of the City Secretary of the City of Galveston, in the sum of five per cent. of amount of bid, or the same will not be considered. A bond in the sum of fifty per cent. of the contract price will be required for the faithful performance of the contract; sureties thereon must be satisfactory to the Board of City Commissioners. The right is reserved to reject any and all bids and waive technical defects if in the interest of the City.

H. C. LANGE,
Commissioner of Water-Works & Sewerage.
A. T. DICKEY,
City Engineer.
JOHN D. KELLEY,
City Secretary.
Galveston, Texas, June 6, 1908.

DUST ABATEMENT.

Bloomfield, N. J.

Sealed proposals will be received at the office of the Town Clerk of the Town of Bloomfield, until Tuesday, June 16th, 1908, at 8 o'clock P. M., for the estimate and specifications for the abatement of dust on certain telford roads in the Town of Bloomfield, as may be designated by the Road Committee.

Each bidder must state in his proposal:

First. The specifications.

Second. The price bid per square yard, and what it includes.

Third. Name two or more places where similar work has been done.

Fourth. State the time necessary to prepare one mile of road, sixteen feet in width.

Further information may be had at the office of Ernest Baechlin, Town Engineer, Bloomfield National Bank Building, Bloomfield, N. J.

Each bid must be accompanied by a certified check for one hundred dollars ($100.00) drawn to the order of the Town of Bloomfield, as a guarantee of good faith of the bidder.

The Town Council reserves the right to accept one or more, or to reject any or all bids.

Each proposal must be sealed and endorsed "Estimate for the Abatement of Dust" and addressed to Wm. L. Johnson, Town Clerk.

By Order of the Town Council.
WM. L. JOHNSON,
Town Clerk.

OFFICE, COMMISSIONERS, District of Columbia, Washington, June 8th, 1908.—Sealed proposals will be received at this office until 12 o'clock M., Monday, June 29th, 1908, for constructing trunk sewer in the District of Columbia. Forms, specifications and necessary information may be obtained at Room 43, District Building, Washington, D. C. HENRY B. F. MACFARLAND, HENRY L. WEST, JAY J. MORROW, Commissioners, D. C.

REINFORCED-C[illegible]RETE BRIDGE.

Norfolk, Va., [illegible] 10, 1908.

Sealed proposals will be [illegible]ed at the office of the Board of C[illegible] until 12 o'clock M. on the 30th da[illegible] June, 1908, for the construction of one [illegible]forced-concrete bridge about 100 feet [illegible] and about 52 feet wide.

Plans and specifications m[illegible] inspected at the Office of the City E[illegible] Norfolk, Va., or may be had on ap[illegible] by depositing the sum of Five [illegible] ($5.00), Three dollars ($3.00) of wh[illegible] be refunded upon return of the p[illegible] and specifications. Bidding blanks m[illegible] obtained from the same office on requ[illegible]

Each bid must be accompa[illegible] a certified check on some local ba[illegible] the sum of Five hundred dollars ($500[illegible]

The Board of Control reser[illegible] the right to reject or accept any or all [illegible] as may be deemed best for the interest [illegible] the City of Norfolk, Va.

W. T. BRO[illegible]
City Engineer for Board [illegible]ontrol.

BRICK PAVING.

A[illegible] Ohio.

Bids are asked until noon, June [illegible] by E. J. Carey, Village Clerk, for 8,500 [illegible] yds. of brick paving.

THOS. J. SMU[illegible] Engr.

OFFICE COMMISSIONERS, DIS[illegible]ICT OF COLUMBIA, Washington, May 2[illegible], 1908.—Sealed proposals will be received at this office until 12 o'clock M., Saturday, June 27, 1908, for furnishing curb and corporation cocks. Forms, specifications and necessary information may be obtained at room 43, District Building, Washington, D. C. HENRY B. F. MACFARLAND, HENRY L. WEST, JAY J. MORROW, Commissioners, D. C.

U. S. ENGINEER'S OFFICE, 725 Chronicle Bldg., San Francisco, Cal., June 8, 1908.—Sealed proposals for constructing diverting canal north and east of Stockton, Cal., will be received here until 12 noon, July 8, 1908, and then publicly opened. Information furnished on application. JOHN BIDDLE, Lieut. Col., Engrs.

Situations Wanted

Civil Engineers.

GRADUATE CIVIL ENGINEER, experienced in concrete steel and timber design and construction. Good draftsman and instrumentman. Familiar with general construction. Employed. Address "S. B. 24," Engineering News, New York. 24-1t

CHIEF ENGINEER or Engineer of Construction, railroad (34), M. Am. Soc. Civil Engrs., open for engagement. Broad experience, including work in Mexico. Location immaterial. Address "G. A. 21," Engineering News, New York. 24-3t

Surveyors.

CHAINMAN, rodman, instrumentman, computer and draftsman, experienced, and graduate surveying and mapping course, desires position. Location no object. References. Address "W. B. 24," Engineering News, New York. 24-1t

Situations Open

WANTED—Two or three young mechanical engineers to learn growing business and hold responsible positions. Long hours, hard, dirty work. Unusual opportunities for the right men. Must have technical training, some shop experience, able to direct men and be willing to work hard and continuously. State age, education, experience, references, salary expected, in first letter. Address "R. B. 24," Engineering News, New York. 24-3t

FOR SALE

FOR SALE.

Saddle Tank Locomotive

Standard gage, 35 tons weight; Baldwin make; used about 10 years; in good condition; located near New York. Address "R. A. 24," Engineering News, New York. 24-1t

Miscellaneous Wants

TO LET

Office to sub-let with Engineering Firm to Engineer, Architect, or Contractor favorable location and accommodations. Address "P. B. 24," Engineering News, New York. 24-1t